Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

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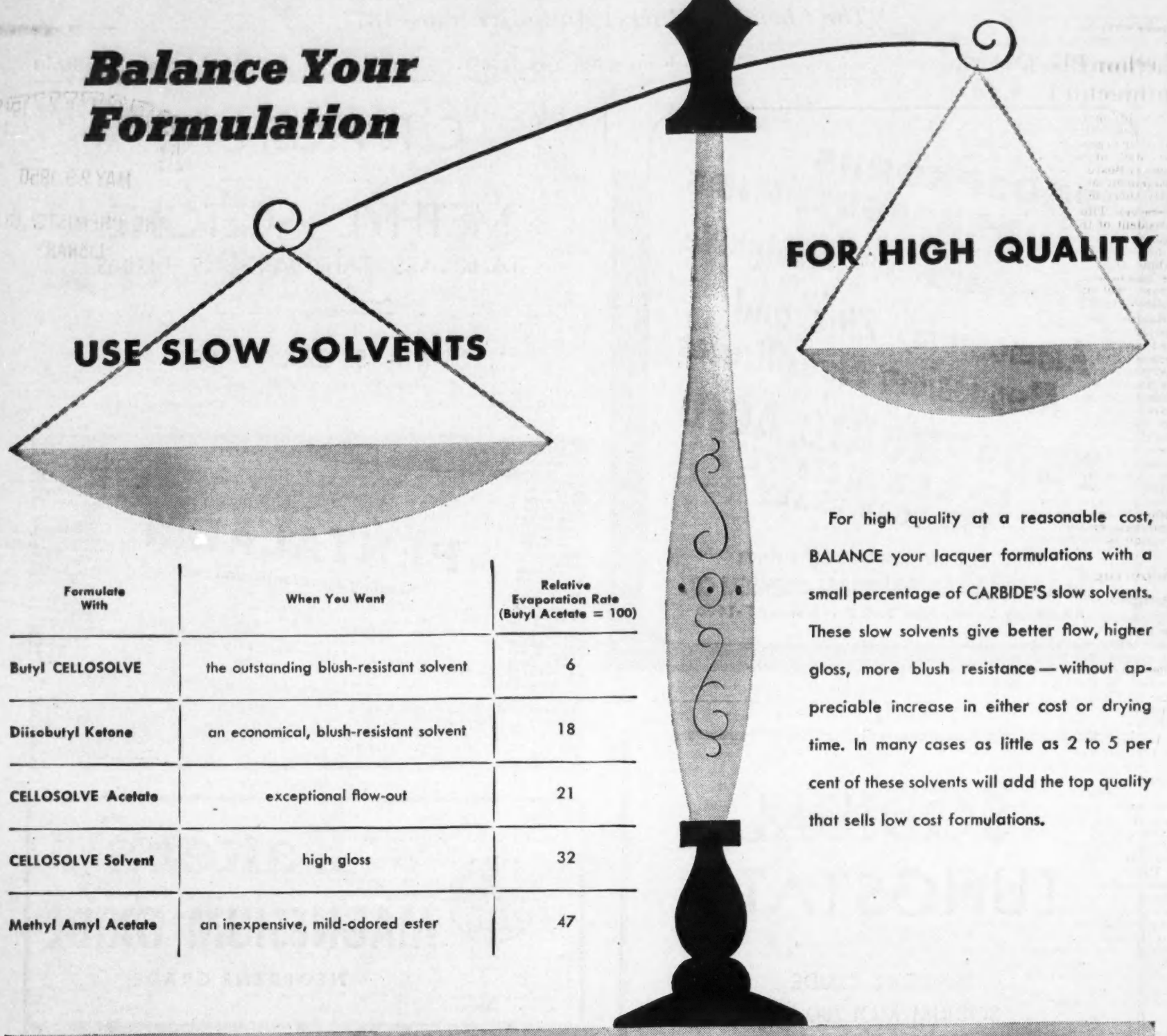

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Carbon Black Supply Subject of U. S. Study

A study of the probable supply and requirements of carbon black in the event of an emergency has been undertaken by the staff of the National Security Resources Board. Carbon black, an essential component of rubber tires, became critically short in World War II.

Harvey Titus, New York chemist and president of the Carbon Black Export Association, has been appointed a consultant to head up the study. The inquiry will include a survey of present facilities for the manufacture of carbon black and of factors that might increase or reduce the availability of the material.

Rubber manufacturers have increased sharply the percentage of carbon black used in compounding rubber over the past decade. Because of this, plus the fact that present levels of rubber consumption are double prewar figures, there has been a three-fold expansion in carbon black requirements. Alternate uses for natural gas, the principal raw material of carbon black production, have been increasing even more rapidly, thus raising many questions concerning the future ability of the carbon black industry to supply sufficient material to meet tire production schedules in the event of a wartime emergency. Specific recommendations for readiness measures will be developed as a result of the NSRB study.

Schering Corp. Control Sought by N.Y. Group

Proposed formation of a new company by a New York investment group to obtain control of Schering Corporation when its capital stock is offered for sale to the highest bidder "in the relatively near future" by the Office of Alien Property was disclosed last week in papers on file with the Securities and Exchange Commission.

It was announced by the commission that it has issued an exemption order under the investment company act permitting United States & International Securities Corporation, New York investment company, to participate with others in the organization of the new company. Others participating in the organization are Dillon, Read & Co., F. S. Moseley & Co. and Riter & Co.

Papers on file with SEC stated that the new company will issue initially 50,000 shares of its stock at $1 per share, of which 25 percent will be purchased by International and the balance by the other participants. Proceeds will be used to defray the expenses of investigating Schering's business to determine the price to be bid for the stock. If the new company's bid is successful, it will be merged with Schering.

ECA to Finance French North African Oil Cos.

An industrial recovery project to provide equipment for oil prospecting and drilling in French North Africa for two French companies has been approved by the Economic Cooperation Administration.

The overall cost of the project is $15,000,000 including $1,300,000 in ECA financing. The companies receiving aid are S. N. Repal, which operates in Algeria, and S.C.P., which operates in Morocco. Exploration has disclosed, the ECA said, that seven-ninths of Algeria's territory is underlaid by potential oil-bearing strata. Morocco is now producing oil in commercial quantities.

Oil Imports Reported Hurting U.S. Industry

An attack on oil imports on the grounds that the "extraordinary" amounts now coming into the United States are threatening the loss of jobs to workers in the domestic industry and in the coal industry was launched last week before the senate labor committee by representatives of the independent petroleum producers, the coal miners and the operators.

Four oil industry representatives, speaking for the Independent Petroleum Association of America, were heard by the committee. They presented figures to show that there has been a reduction of employment in the domestic crude petroleum and natural gas producing industry of nearly 15,000 between last August and February. Another 8,000 jobs have been lost in refinery employment, all since the substantial rise has taken place in imports.

H. B. Fell, president of the Simpson-Fell Oil Company, predicted that if imports continue at an excessive rate "we can look for a decline in exploratory and development work and in leasing for oil and gas."

Another view on the import question was sounded by Eugene Holman, president of Standard Oil Company (N. J.), who charged in New York that the entire problem was being used as a "whipping boy" by proponents of special legislation. He stated that current statistics show that only "a very small fraction" of lost business by coal producers can be directly attributed to the importation of oil from abroad.

Meanwhile, consideration was given by the house interstate commerce committee

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Price Trend Recovers Loss

Price advances in nonferrous metals and their salts and in vegetable oils were the potent influence in the trend of the markets for chemicals, oils, and drugs last week. They got some assistance from aromatic oils and their derivatives. The result was a recovery of the 0.1 point lost by the overall index number in the previous week. That made the May average 0.5 point lower than that for June and put the weekly level down 4.2 points since the first of the year and 9.7 below that of a year ago.

The upward movement in nonferrous metals comprised aluminum and its chloride, four copper salts, nickel formate—the carbonate will go up June 1—tin and its chlorides and sulphate, and zinc. The zinc raise had not yet got to salts of the metal. Quicksilver was reduced. The only other note in the inorganic field was that hydrofluoric acid and sodium silicate would be advanced at the end of the quarter. The boost in alkalies spread but little.

Most vegetable oils in the edible group were higher; edible olive oil was reduced. Linseed oil followed the advance in flaxseed; tung and oiticica were on the downside in the drying-oil group. Cod oil was advanced; greases and tallow and their oils were cheaper. So were bone, fish, and hoof meals and casein, offerings of French material affecting the last-named.

Coaltar and other organic chemicals were quiet. Shortages were troublesome in the first category. Menthol got another boost. Botanical drugs had a miscellaneous downward trend. Demand continued light.

Business rolls along rather quietly. Nobody admits to being busy. But, when the figures are down, the volume of sales in most lines is well ahead of that of a year ago. There is much talk about delayed demand in this or that area. But, there are two or three times as many tight spots in supply as there were at the beginning of this quarter—and the cause does not lie in production. Most materials, however, are plentiful. Importations are a contributing factor and are expected to do a bit of easing on some of the tight spots shortly.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

May 26, 1950	May 19, 1950	Dec. 30, 1949	May 27, 1949
120.6	120.5	124.8	130.3

The base of the OPD Price Index is the average of prices in 1926 and 1935, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1950	1949	1947	1946	1941
January	123.2	142.0	150.9	135.3	107.3
February	121.3	140.4	151.9	135.4	110.3
March	121.8	137.6	154.9	135.2	111.9
April	121.0	133.6	152.3	134.9	115.5
May	120.6	131.2	146.1	135.1	118.2

Pesticides Recommended for Residue Tolerance Regulation Listed by FDA

A list of more than fifty products used as insecticides or fungicides in the production of fresh fruits and vegetables for which residue tolerances should be established to protect the public health was submitted at the hearings before the Food and Drug Administration last week by Dr. Arnold J. Lehman, chief of the FDA's division of pharmacology.

In testimony winding up the first half of the investigation on proposed regulations to limit the use of poisonous substances on food crops, Dr. Lehman said that the list would probably be lengthened to include other products but for the fact that lack of time and information made it impossible to classify about forty other chemicals that have been mentioned in the hearings.

The hearings have now recessed until July 10 when testimony will be directed to the question of toxicity and how much of these various substances can be tolerated without injury. Bernard D. Livenson, presiding officer of the hearings, stated that he will make inquiry this week from industry and government witnesses on the chemicals they plan to discuss and the time they will need to cover the subject.

The only other phase of the investigation which then will remain for public discussion will be the question of amending existing regulations which established the fluorine tolerance.

The first half of the investigation moved ahead much faster than anyone had anticipated when the hearings were opened last January 17. At that time testimony was scheduled that would run for more than six months on the first question alone—the necessity of using added substances for controlling the enemies which interfere with the production of good crops.

Witnesses for the Department of Agriculture and state agencies, however, covered the ground so thoroughly that the spokesmen for industry were able to shorten their testimony to a matter of a few days instead of weeks. Actually, only sixty days of hearings were held over the entire period, but over 7,000 pages of testimony and more than 1,100 exhibits have been gathered and well over 100 chemicals have been brought under examination.

Dr. Lehman's testimony was the highlight of the closing day of the hearings May 22. He had taken all of the chemicals that have been mentioned in the hearings and classified them into groups to show those whose residues create no problem, those which are safe when used according to good agricultural practices, and those for which tolerances should be established.

Dr. Lehman's statement follows:—

Of the various substances named by witnesses in this hearing I would say that the following have so little toxicity that any residues which may be expected from their application to fruit and vegetables constitute no health problem. I would place the following substances in this category:—

Vitrious clay products; talc; kaolin; pyrophyllite; diatomaceous earth; magnesium carbonate; magnesium sulphate; soaps; fuller's earth; silica; ground nut shells; redwood bark dust; pyrethrum mere; hydrated lime; sawdust; entelator dust; calcium phosphate; calcium carbonate; gypsum; lime sulphur; dry lime sulphur; elemental sulphur; wettable sulphur, and dusting sulphur.

Next, there are certain substances which are known to be deleterious but which, in my opinion, create no public health hazards if used in the ways described by witnesses under Part A as constituting good agricultural practice. These substances include:—

Bordeaux mixture; copper oxychloride; copper oxide; copper phosphate; copper silicate; copper sulphates; copper zinc chromate; mineral oil emulsions (kerosene or heavier oils); ground insect flowers (pyrethrum); ground derris; ground cube; tobacco dust; copper zeolite; copper carbonate; copper oxychloridesulphate; 2, 4-dichloro-phenoxy acetic acid; phenoxy acetic acid; naphthalene acetic acid; pyrethrum; pyrethrins; allethrin;

—*Continued on page 39*

Flavor, Perfume Materials Production Increased in '49

The total output of flavor and perfume materials in 1949 was 23,400,000 pounds, an increase of 5.4 percent from the 22,200,000 pounds reported for 1948, according to preliminary statistics released by the Tariff Commission.

Sales in 1949 amounted to 19,900,000 pounds, valued at $28,700,000, compared with 19,000,000 pounds, valued at $26,700,000 in 1948, an increase of 4.6 percent in quantity and 7.5 percent in value.

Production in 1949 of cyclic flavor and perfume materials amounted to 15,300,000 pounds, a decline of less than 1 percent from the 15,400,000 pounds, reported for 1948. Sales of all cyclic products in 1949 were 12,600,000 pounds, valued at $17,400,000, compared with 12,500,000 pounds, valued at $16,700,000 in 1948.

Production in 1949 of acyclic flavor and perfume materials was 8,100,000 pounds or 20 percent greater than the 6,700,000 pounds reported for 1948. By far the most important of the acyclic materials was monosodium glutamate, production of which totaled 7,600,000 pounds. Sales of all acyclic materials in 1949 amounted to 7,300,000 pounds, valued at $11,300,000, compared with 6,500,000 pounds, valued at $10,000,000 in 1948.

The preliminary statistics on production and sales of flavor and perfume materials are more than 95 percent complete. The complete statistics will be given in the commission's report which will be issued later. Copies of the section on flavor and perfume materials, released May 22, may be obtained by writing to the United States Tariff Commission, Washington 25, D. C.

Naval Stores Regulations For '50 Loan Published

Basic regulations for the gum naval stores loan program for 1950 were published in the Federal Register May 25 by the Department of Agriculture. The regulations spell out the details of the program which has been announced earlier this year by the department.

The regulations state that the loans to naval stores producers will be made by the American Turpentine Farmers Association Cooperative from funds advanced by the Commodity Credit Corporation. The loans will be made to eligible producers on eligible naval stores at the rate of $86.82 per naval stores production unit, comprised of fifty gallons of turpentine and 1,400 pounds of rosin.

Initially, the production unit rate of $86.82 will be allocated to the individual commodities to provide a loan rate for turpentine of 40 cents per gallon of 7.2 pounds in bulk and a loan rate for rosin of grades X to G, inclusive, of $4.77 per hundred pounds net, packed in metal drums. The loans will be due and payable on demand, or on April 1, 1951, which ever is earlier.

Aid Bill Passes Senate

The foreign aid extension bill was sent to the White House by the senate May 25 after defeating efforts to block the point four program of providing technical aid to underdeveloped areas. The bill was approved by a vote of 47-27. It authorizes funds totaling $3,121,450,000 for ECA aid, for economic help to Asia, and for point four assistance.

Oil Lease Bids Sought

Department of Interior announced that it will open bids at 1 p.m. on June 28 for the leasing of 120 acres of oil land in the Midway Field near Taft, Calif. All bids for oil leases must be submitted to Director Marion Clawson of the Bureau of Land Management, Washington 25, D. C.

Flaxseed Rules Published

Regulations covering the 1950 flaxseed loan and purchase program were published in the *Federal Register* May 25 by the Department of Agriculture in accordance with the announcement several months ago that 1950 flaxseed prices would be supported at the rate of $2.82 per bushel, Minneapolis basis. The program covers flaxseed grown everywhere, except in certain counties in Texas, which are dealt with in a separate regulation.

Proprietary Association Discusses Antihistamine

Throughout the history of the food and drug laws congress and the courts have recognized the place of home medication in the nation's health program, Dr. Frederick J. Cullen, executive vice-president of the Proprietary Association of America, told the sixty-eighth annual convention of that group at White Sulphur Springs, W. Va., last week.

Dr. Cullen cited numerous statements by congress and the courts, dating back to the early years of the century, to substantiate his statement and pointed out that when the present federal food, drug and cosmetic act was passed in 1938, congress said:—

"This bill is not intended to restrict in any way the availability of drugs for self-medication. On the contrary, it is intended to make self-medication safer and more effective."

This statement by congress is plain and concise and leaves no room for misinterpreting the intent of congress in its recognition of the place of home medication in the health program, Dr. Cullen concluded.

William H. P. Blandy, president of the Health Information Foundation, said that the "hot war" against disease is getting hotter all the time, with indications of a further increase in the life span of Americans. He cited government figures which showed that the tuberculosis death rate had been reduced from 154 per 100,000 of population in 1910 to thirty per 100,000 in 1948. Government estimates for final 1949 figures, he said, point to a probable 10 percent improvement over 1948.

Medical Research Progress

Mr. Blandy, commenting upon progress made in medical research, in distribution of the benefits of research to the people and in recent developments such as voluntary prepayment health insurance which have increased the availability of medical care, pointed out that the modern

—Continued on page 52

Diamond to Advance Alkali Prices July 1

Diamond Alkali Company, Cleveland, has announced an increase in prices of liquid chlorine in single and multi-unit tankcars, with nine quantity differentials for shipments in ton containers. It also announced an increase of $2 per ton in carload prices of light and dense soda ash, and an increase of $3 a ton in carload prices of liquid, solid and flake caustic soda. The new prices are effective July 1.

Prices on multi-unit tankcar liquid chlorine shipments, per 100 pounds, for an annual period, to contract customers and only to one destination, are as follows:—165 tons and more, $3.05; 105 tons to 165 tons, $3.25; ninety tons, $3.50; seventy-five tons, $3.75; sixty tons, $4; forty-five tons, $4.50; thirty tons, $5; fifteen tons, $6; eight tons on special truck, $7. The new price on liquid chlorine in single-unit tankcars will be $2.55 per 100 pounds.

All prices are f.o.b. Diamond's plants at Painesville, Ohio; Baldwin, Ark., and Houston, Tex. Multi-unit tankcars are not available at Baldwin. All Edgewood, Md., chlorine prices are 10 cents per 100 pounds higher than above. Terms remain net thirty days from date of shipment.

Sodium Silicate Prices To Be Advanced July 1

Philadelphia Quartz Company, Philadelphia, Pa., announces that effective July 1 it will increase f.o.b. works prices on liquid silicates 5 cents per 100 pounds; on solid silicate, $2.50 per ton, and on "Metso" products 25 cents per 100 pounds. No changes will be made on other powdered grades. This will have the effect of advancing the tankcar price on "N" from 80 cents to 85 cents per 100 pounds; the carload price on solid silicate from $40 to $42.50 per ton, and carloads of "Metso" granular in bags from $3.25 to $3.50.

Borden Names O'Connor Gen. Mgr. of Soy Div.

The Soy Processing Company Division of the Borden Company, New York, has named Edward M. O'Connor executive vice-president and general manager, effective June 15. P. J. Queroli, assistant treasurer of the soy firm, will take over the duties of assistant secretary in addition to his present responsibilities on that date, succeeding J. M. Henderson, who has retired.

Merck Elects Kerrigan President And Johnstone Vice-President

James J. Kerrigan, vice-president of Merck & Co., Rahway, N. J., since 1927, has been elected president, succeeding George W. Merck who continues as chairman of the board. Henry W. Johnstone has been named senior vice-president.

Mr. Merck said the changes are a result of the sizable growth of the company and of the management responsibilities involved. Son of the company's founder, George Merck, he joined the company in 1914 and has been president since 1925.

Mr. Kerrigan joined the Merck organization in 1907, and spent much of his career in the commercial phases of the company's operations. He is a director of the company and a director and vice-president of Merck & Co., Ltd.

Mr. Johnstone joined the company in 1930. He became plant manager the following year and vice-president in charge of operations in 1936. He is a director of Merck & Co. and Merck & Co., Ltd.

James J. Kerrigan — Henry W. Johnstone — George W. Merck

American Agricultural Elects New Officers

C. M. Powell has been elected president of the American Agricultural Chemical Company, New York, succeeding L. H. Carter, who has retired. Mr. Powell was formerly vice-president. A. W. Cramer has been elected senior vice-president; W. H. Hildebrandt, secretary and comptroller, and H. Mayo, treasurer. Also retiring as operating officers are G. H. Fick and A. B. Arnold. Mr. Carter and Mr. Fick will continue as members of the board of directors.

Pennsalt Offers Cleaner To Remove Heavy Grease

The laundry and dry cleaning department of the Pennsylvania Salt Manufacturing Company, Philadelphia, is currently offering a new solvent emulsion type cleaner primarily designed for the removal of oily and greasy soil found in overalls and wiping rags. Called "Erustolax," the new product is said to contain potent oil and grease solvents, along with penetrating agents, and is completely emulsifiable with water in any proportion.

Solvay Dedicates Research Laboratory

In a three-day program of public relations events, May 24 to 26, the Solvay Process Division of the Allied Chemical & Dye Corporation dedicated its $1,000,000 new laboratory for research and technical service in alkalies. It is located at one corner of the company's 400 acres of plants and related structures, reservoirs, stockpiles, and so on in the Village of Solvay, a suburb of Syracuse, N. Y. The occasion was made a special one for the further cultivation of Solvay's long relationships with the community of which it is an important part.

The first day was devoted to an open house for Solvay employees and their families. The formal dedication began at 11 a.m. May 25 in the library of the new laboratory with an audience of more than one hundred officials, technicians, scientists, and guests. D. O. Yeoman, Solvay director of development, was master of ceremonies.

A. B. Chadwick, president of the Solvay Process Division, and of the Solvay Sales Division; Dr. M. F. Fogler, vice-president; Paul A. Keene, chief of research; Carl Sundstrom and R. H. Sawens, director of technical service, formally dedicated the three-story building. Terming the ceremonies another milestone in Solvay's progress in research and technical service to United States industry, Mr. Chadwick observed it was fitting that the laboratory was built in Syracuse.

"It was here," he said, "that the American alkali industry was born, reared, and came of age. This is the site not only of the first soda ash plant in the United States, the first caustic soda and refined bicarbonate of soda production, but also of the first by-product cokeovens and the first successful synthetic nitrogen plant in the country."

"The new laboratory, which will serve as research and technical development headquarters for the Solvay affiliates, is essential to the continued progress of the company," he said. But, he told the research and technical personnel, "you must make it a living unit, used by interested people who are inspired to play decisive parts in the progress of science and industry. Justification for new Solvay research is in

—Continued on page 70

Harshaw Advances Aqueous Hydrofluoric Acid July 1

Harshaw Chemical Company, Cleveland, Ohio, has announced an advance in aqueous hydrofluoric acid, effective July 1. The new schedule for 60 percent material calls for $10.60 per hundred pounds in tankcars, $12.40 per hundred pounds for 20,000 pound lots in 900 pound steel drums, $13.70 per hundred pounds for 20,000 pound lots in 450 pound drums, and $14.70 per hundred pounds for smaller quantities. Prices on 165 pound drums will be $15.15 per hundred pounds in 20,000 pound lots and $1 higher per hundred pounds for lesser quantities.

Schedules on the 70 percent grade call for $12.35 per hundred pounds in tankcars, $14.30 per hundred pounds in 20,000 pound lots in 900 pound steel drums, $15.85 per hundred pounds for 20,000 pound lots in 450 pound drums, and $16.75 per hundred pounds for smaller quantities. Prices on 165 pound drums will be $17.50 per hundred pounds in 20,000 pound lots and $1 higher per hundred pounds for lesser quantities. Tankcar prices are freight equalized, drums freight allowed, except on the west coast where an advance of 4 cents per hundred pounds becomes effective. Drums are returnable.

Bakelite to Construct W. Va. Polyethylene Plant

Bakelite Division, Union Carbide & Carbon Corporation, New York, has announced plans for a new polyethylene resins plant at South Charleston, W. Va. The new unit, scheduled to get into production by the third quarter of 1951, is expected to almost double the present output of the company's polyethylene resins.

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Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Amyl crotonyl acetate.
Ditolyl methane.
Ethyl glyoxalate.
2-hydroxy-quinoxaline.
Lauryl biguanidine chlorhydrate.
2-Methyl-4 amino-1-naphthol hydrochloride.
Trihexyl phenidyl 3-(1-piperidyl)-phenyl-1-cyclohexyl-1-propanol hydrochloride.

China Ammonium Sulphate Contracts Awarded 4 Firms

Contracts were awarded last week by the Federal Supply Service to five firms to furnish 25,000 metric tons of ammonium sulphate and 10,000 metric tons of ammonium phosphate for shipment to China under the ECA program. The contracts were awarded as a result of the bid opening of May 15.

The agency, however, is holding up the award of contracts for supplying about 12,000 tons of nitrogenous fertilizers on which bids were opened May 17, while it checks into the prices offered by foreign suppliers. A bid of $148.81 quoted for material of German origin was so low in comparison with prices for the domestic product ranging from $165 to $175 per metric ton that confirmation of the price is being sought before the contracts are made.

The successful bidders at the opening for ammonium phosphate and ammonium sulphate were the following:—

Ammonium phosphate—Mathieson Chemical Corporation, the entire contract of 10,000 metric tons, at $78.85 per metric ton, f.a.s. vessel at Houston, Tex.

Ammonium sulphate—Nitrogen Products, Inc., 13,000 tons at $41.98, f.a.s. vessels at Mobile, Ala.; Baltimore, Md., and New Orleans, La.; Ford Motor Company, 1,000 tons at $42,55, f.a.s. vessel at Baltimore; Barrett Division of Allied Chemical Dye Corporation, 10,000 tons at $42,97, f.a.s. vessel at Baltimore; H. J. Baker & Bros., 1,000 tons at $43,25 f.a.s. vessel at New Orleans. Delivery of the material is to be made in June.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with OPD office:—

Adhesives, Cairo, Egypt (FS-1).
Chemicals, Milan, Italy (FS-8, agency).
Cosmetics, San Salvador (FS-9).
Inks, Cairo, Egype (FS-1); printing, Milan, Italy (FS-8, agency).
Lemon juice, powdered, Munich, Germany (FS-2).
Paint, varnish and enamel, Managua, D. N. (FS-5, Manufacturers only); paint, spray, automobile, Damascus, Syria (FS-6, agency).
Paraffin, Dusseldorf, Germany (FS-3).
Pearl essence, Osaka, Japan (FS-4).
Perfumes, San Salvador (FS-9).
Salt and sea-salt by products, Kingston, Jamaica (FS-7, technical information).
Spices, Osaka, Japan (FS-4).

P.A.'s-Eye View of Business

Composite view, May 28, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents.

May reports of purchasing executives indicate it is another bright month in the 1950 business calendar. Back-order books have been increased for the third consecutive month and production has spurted to meet the new demand. May continues the upward surge following the coal strike, and gains for the month are almost on a par with those attained in April. The overall situation pictures a well-sustained, improved business cycle. Industrial buyers expect business to continue high during the month of June. Production in July will be lower, as that month will see the heaviest industrial vacation close-downs we have experienced.

Prices are on the increase, paced by nonferrous metals. Most price advances are the result of immediate demand exceeding current supply, but there appears to be a tinge of inflation in the present price structure.

Inventories of production materials have increased this month, to keep in balance with larger consuming demand. There is no sign of speculative additions to raw material stocks. Employment is up all along the line, with soft goods an exception. Buying policy is on the high side of thirty to ninety days, with some trend into four months' coverage.

Opinion is optimistic on nearby conditions, but some manufacturers question the source and length of present demand. How much of the brisk pickup is demand postponed by steel and coal strikes, and how much can be counted on as new and sustained demand?

Commodity Prices

Industrial prices continued to show strength, with the lowest number of declines in important materials in many months. Except in nonferrous metals, the increases reported have not been large percentagewise and reflect a normal reaction of sharply increased demand to current short supply. The opinion is expressed by a number of buyers that there appears to be a coloring of inflation in some new prices; that some goods have moved up in sympathy with others rather than from tightening of supplies or increase of costs. Competition in many other lines is keen.

Inventories

The downward trend of industrial inventories has been halted by the increase in production requirements. Twenty-eight percent report adding to working inventories in May. The reports indicate there is no stock-piling in anticipation of future scarcities or price increases. Maintaining stocks required for known production schedules, within the lead time of those schedules, is still the conservative policy.

Employment

Payrolls jumped again in May, reemployment exceeding the high rates of last September. Skilled workers are scarce in several areas. Good clerical help is generally hard to find. A record number of industrial employees will take paid vacations in July and August. Many plants will be completely closed down for one to three weeks during this period. Some of the current heavy production may be anticipating vacation periods.

Buying Policy

With the sharp pickup in order books and production, demand for many materials heretofore available on short notice has depleted the stocks and increased the production lead time. This has made necessary slightly longer schedules for procurement. In the past three months the buying policy range has increased approximately thirty days as "hand-to-mouth" moved into thirty, thirty into sixty, etc. Coverage within ninety days is the commitment policy of 93 percent of the reporters. Seven percent are on a 120-day basis.

Specific Commodity Changes

The "ups" way outnumbered the "downs" in May, copper, zinc, and lead again heading the list of increases. Aside from these nonferrous metals and their products, the important materials to gain this month are:—acids, alcohol, glue, building materials, caustic soda, cornstarch, dyes, fuel oil, scrap iron, hides, lumber, menthol, kraft paper, rubber, silver, soap, soda ash, tin, tires. The few on the down side:—coffee, eggs, coal, coke, naphthalene, rosin, some textiles.

Canada

General business conditions in Canada differ in several respects from those in the United States. While production and order books show increases over the previous month, they have not expanded to the extent reported in the states. More price increases are reported this month, evidently taking up the lag in April as compared with the United States. Inventories up about the same. Employment increase not as great. Buying policy slightly shorter range. Industrial building is picking up. Petroleum production is increasing but there is no improvement in the export situation.

Washington Talks It Over

By Ralph L. Cherry

Congressional leaders are starting talks on the question of legislation that still must come up for consideration in a move to arrive at some "gentlemen's agreement" on the approximate time for ending the session. The law requires that the session end July 31, but there is no penalty if the date is ignored, as it was last year.

As is the usual case, the house of representatives has about cleaned up its calendar and could be ready to adjourn in a relatively short time, but it is in the senate where the legislative jam is shaping up and casting grave doubts on whether the July 31 goal can be met. Except for some odds and ends, about the only major bills yet awaiting house action are the tax-reduction bill, which is now in the drafting stage in the ways and means committee, and the ECA appropriations.

In addition to these two proposals, the senate also faces the prospect of passing the bill for extensive amendments to the social security act, and the omnibus appropriation bill. Each of these four proposals contains sufficient ammunition to occupy the senate for days. The bill for United States participation in ITO seems almost certain now to be scheduled for a pigeonhole, along with the socialized medicine proposal and the Taft-Hartley act repealer.

One thing that improves the chances of congress's adjourning "on time" is the fact that Majority Leader Lucas, Assistant Majority Leader Myers, and Senator Robert Taft, big wheel of the Republicans, are all up for reelection this year and they are anxious to get at personal affairs (public pay) soon.

Government Buying Simplified

The General Services Administration has revised standard contract forms for government purchases of supplies and equipment to make it harder for the "five percenters" and "peddlers of influence" to operate. The revisions apply to both civilian and military purchases. Here are some of the changes:—

Advertised contracts involving more than $25,000 and negotiated contracts involving more than $1,000 require the bidder to declare whether he has retained a special representative, other than a full-time employee, to help him get the contract.

A new form requires the successful bidder to answer eight questions regarding payments of contingent or other fees.

Contract forms are reduced to two types, a long form and a short form, instead of the six previously employed.

Previous provisions for contracts are brought together into one set of general provisions applicable to either type.

Locating Army Research

The "hot potato" of where to locate the Army Quartermaster Corps' $11,000,000 research laboratory has been turned over to an ad hoc committee under the chairmanship of Blake R. Van Leer, president of the Georgia Institute of Technology. Congress couldn't agree on the site when it had the question under consideration several months ago, so it turned it over to Secretary of Defense Louis Johnson. He passed it down to the Research and Development Board which in turn has tossed it to Dr. Van Leer's group.

The committee has drawn up a guide for preparing proposals for the site. It sets forth detailed information to be submitted including (1) description of the site; (2) regional factors; (3) water supply; (4) power,, steam, and fuel; and (5) sewage and waste disposal. August 1, 1950, is the

—*Continued on page 32*

Advance Solvents Corp. Forms Canadian Company

Advance Solvents & Chemical Corporation, New York, as formed a Canadian company. Called Advance Solvents & Chemical Corporation of Canada, Ltd., the new firm, which is located in Montreal, expects to begin production soon on the parent company's line of naphthenate and octoate driers for the paint and protective coatings industry.

Chemicals, Ltd., Director

Albert K. de Kappelle has been elected to the board of directors of Chemicals, Ltd., Montreal, Canada. Mr. de Kappelle, who has been connected with the firm since 1928, was also appointed vice-president and managing director of the concern.

Patent Office Retains Powers Despite Plan 5

By the narrow margin of six votes the senate last week refused to veto President Truman's reorganization plan for the Department of Commerce and it was allowed to become effective on May 24, along with fifteen other changes in government proposed sixty days ago by the President. The senate voted 43-29 against rejecting the plan.

Known as reorganization plan No. 5, it had been under vigorous attack on the grounds that it would end the independence of the Patent Office and subject the functions of that office to the political whims of the political party in power. This would be brought about as a result of the transfer of the present powers and authority of the Commissioner of Patents to the Secretary of Commerce for delagation to such other persons as he might see fit.

Secretary of Commerce Sawyer has prepared an administrative order, however, transferring back to the Commissioner of Patents all of the powers that came to him under the reorganization. The order is couched in such terms that any future Secretary of Commerce would need to have a very plausible reason for rescinding it and giving the patent commissioner's authority over to other persons.

This plan and the fifteen other reorganization plans that became effective on May 24 were among the twenty-one sent to congress by Mr. Truman in March. Five of the plans had been vetoed by the senate before the administration marshalled its forces to save the rest of the program. The defeated plans involved the Department of Agriculture, the Office of General Counsel of the NLRB, the Comptroller of the Currency, the Federal Communications Commission and the Interstate Commerce Commission.

Among plans given approval were those affecting the Federal Trade Commission, the Federal Power Commission, the Housing and Home Finance Agency and the General Services Administration. The principal point of these plans was to vest in the President the right to select the chairmen of the agencies and to point up the responsibilities of the chairmen.

The President exercised his new authority immediately in the case of FTC and FPC and at the same time appointed a new Assistant Secretary of Commerce to handle some of the duties that might fall on the secretary as a result of the department's revamping. The new assistant secretary is Maj. Gen. Philip B. Fleming, who has been something of a troubleshooter for Mr. Truman in straightening out the tangled affairs of various agencies. He will handle problems in the transportation field for Secretary Sawyer.

James A. Mead was named chairman of the FTC by Mr. Truman, succeeding Lowell B. Mason who has been acting chairman since the first of the year. Mr. Mead, presently a commissioner of FTC, has been a loyal friend of Mr. Truman since his senate days when they served on the defense investigating committee.

Mr. Truman also appointed his friend, Mon C. Wallgren, chairman of the Federal Power Commission, succeeding Nelson Lee Smith, while Harry C. McDonald, presently chairman of the Securities and Exchange Commission, was renamed head of that agency.

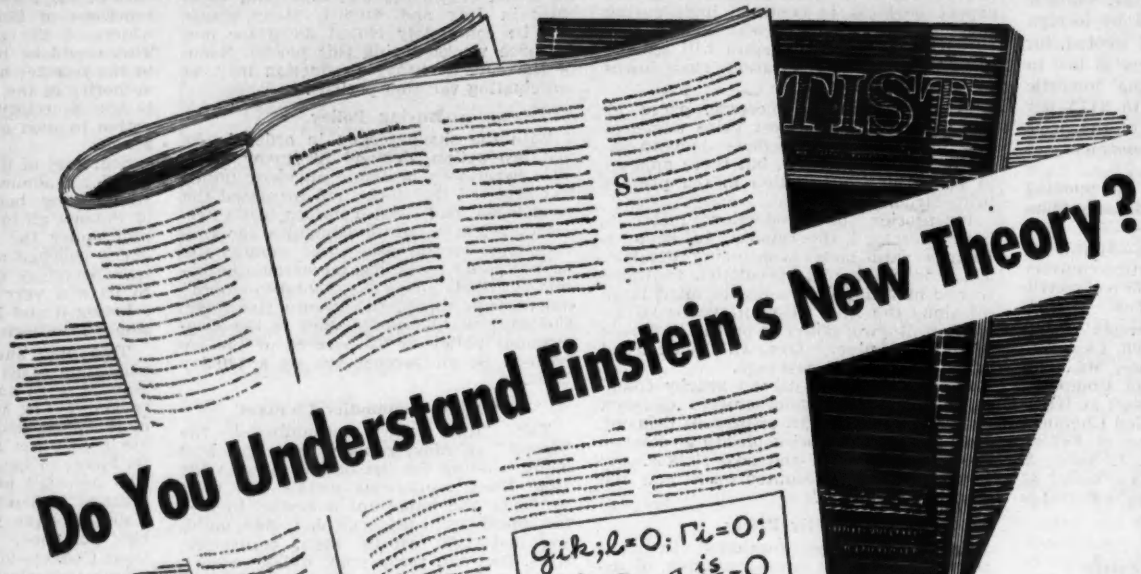
Winthrop-Stearns Awarded Army Medicinals Contract

The army has announced the award of a contract amounting to $120,896 to Winthrop-Stearns, Inc., New York, for supplying certain medicinal preparations as follows:—13,008 bottles of henylephrine hydrochloride solution; 7,200 boxes of tetracaine opthalmic ointment; 53,136 tubes of tetracaine ointment; 5,040 boxes of tetracaine hydrochloride; and 576 bottles of tetracaine hydrochloride tablets.

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

Candle manufacturers—Costa Rica.
Feedstuffs importers, dealers, etc.—Norway.
Laundry and dry cleaning industry—Argentina; Peru
Medicinal and toilet preparation importers, dealers—Chile.
Oil (animal, fish, vegetable) importers, dealers—Surinam.
Synthetic organic chemicals manufacturers—Turkey.
Textile industry—Costa Rica, Norway.



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Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, October 1-5.
American Association of Textile Chemists and Colorists, Portsmouth, N H., September 28-30.
American Bar Association, Food, Drug and Cosmetic Law Division, annual meeting, Federal Security Agency auditorium, Washington, D. C., September 18-22.
American Council of Commercial Laboratories, Cleveland hotel, Cleveland, June 22-23.
American Gas Association, Atlantic City, October 2-6.
American Institute of Chemical Engineers, Neal House, Columbus, Ohio, December 3-6.
American Leather Chemists Association, annual meeting, French Lick Springs hotel, French Lick Springs, Ind., May 31-June 2.
American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16
American Pharmaceutical Manufacturers Association, annual meeting, Broadmoor hotel, Colorado Springs, Colo., May 29-31.
American Plant Food Council, Homestead hotel, Hot Springs, Va., June 29-July 2.
American Society for Testing Materials, Atlantic City, N. J., June 26-July 1.
American Soybean Association, Springfield armory, Springfield, Ill., August 28-30.
Associated Chain Drug Stores, New Yorker hotel, New York, September 24-27.
Canadian Gas Association, Manoir Richelieu hotel, Murray Bay, Quebec, June 19-24.
Chemical Market Research Association, Roosevelt hotel, New York, June 8.
Chemical Specialties Manufacturers Association (formerly National Association of Insecticide and Disinfectant Manufacturers), Drake hotel, Chicago, June 12-13.
Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 21-23.
Federal Wholesale Druggists Association, Greenbrier hotel, White Sulphur Springs, W. Va., October 23-25.
Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11
First International Congress of Microchemistry, Graz, Austria, July 2-6.
International Microchemical Congress, Graz, Austria, July 2-6.
Manufacturing Chemists Association, joint outing with Synthetic Organic Chemical Manufacturers Association, Monmouth hotel, Spring Lake, N. J., June 19-21.
National Association of Purchasing Agents, Cleveland, June 12-14.
National Association of Retail Druggists, Long Beach, Calif., October 15-21.
National Butane-Propane Association, Hollenden hotel, Cleveland, September 18-19.
National Chemical Exposition, Coliseum, Chicago, September 5-9.
National Confectioners Association, Waldorf-Astoria hotel, New York, June 4-9.
National Fertilizer Association, Greenbrier hotel, White Sulphur Springs, W. Va., June 12-15.
National Lubricating Grease Institute, Edgewater Beach hotel, Chicago, October 30-November 1.
National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18
National Safety Congress, Chicago, October 16-20.
National Wholesale Druggists Association, Waldorf-Astoria hotel, New York, September 16-21
Packaging Institute, annual forum, Commodore hotel, New York, October 23-25.
Pennsylvania Grade Crude Oil Association, William Penn hotel, Pittsburgh, Pa., June 15-16.
Society of the Plastics Industry, annual meeting, New Ocean House, Swampscott, Mass., October 18-20.
Society of Rheology, New Yorker hotel, New York, November 3-4.
Synthetic Organic Chemical Manufacturers Association, joint outing with Manufacturing Chemists Association, Monmouth hotel, Springlake, N. J., June 19-21; Commodore hotel, New York, September 13; annual meeting, Commodore hotel, New York, December 13.

TGA Committee Examining Public Relations Activities

The Toilet Goods Association has appointed a special committee to study the advisability of expanding the activities of the association to include general public relations on behalf of the industry and industry products and special promotions on behalf of highly specialized segments of the industry.

Heading the committee is Norman F. Dahl of Bourjois, Inc. Other members are H. L. Brooks, Alexandra de Markoff Sales Corporation; Mrs. Murial Bell, Muriel Bell, Inc.; J. I. Poses, D'Orsay Sales Company; C. A. Pennock, Hudnut Sales Company; J. S. Wiedhopf, Parfums Ciro, Inc., and Robert P. Johns, Jacqueline Cochran, Inc.

Babbage Joins Central Chem.

Central Chemical Corporation, Hagerstown, Md., has appointed John Babbage general manager of its plants at Harrisonburg and Crimora, Va., and in charge of its Virginia sales. Mr. Babbage had been associated with the agricultural chemical division of Sherwin-Williams Company for twenty-four years until it was dissolved recently.

Amer. Cyanamid Names E. Northey Aid to Swain

American Cyanamid Company today announces the appointment of Dr. Elmore H. Northey as assistant to Dr. Robert C. Swain, vice-president of the company in charge of research and development. The company has also named Dr. Jack T. Thurston as administrative director of its Stamford research laboratories, and Dr. Joseph H. Paden as director of the research division of the laboratories. All appointments are effective June 1, 1950.

Dr. Northey has been administrative director of the laboratories since 1945. He joined the Calco Chemical Division of American Cyanamid in 1932 and was assistant director of research in charge of

Dr. E. H. Northey

research and development on pharmaceuticals, when he was transferred to Stamford in 1945.

Dr. Thurston has been director of the research division of the Stamford laboratories since 1945. He joined Cyanamid's Stamford laboratories in 1937 and has specialized in the development of organic nitrogen compounds. During the war he served as a civilian with the Atomic Energy Commission and the Army and Navy. In 1946, he was loaned to the Department of Commerce and made an extended trip to Germany where he investigated phases of the chemical industry, including insecticides, organic chemicals and plastics.

Dr. Paden joined Cyanamid in 1937 and was assigned to resin research. He has specialized in development of nitrogen derivatives by high pressure reactions. In 1945, he was appointed assistant director of the research division of the laboratories, a post which he has held until the present time.

Bar Ass'n Plans Meeting On Drug Laws Sept. 18

Food, drug and cosmetic law division of the American Bar Association will hold its second annual meeting during the week of September 18 in Federal Security Agency auditorium, Washington, D. C. The general theme of the meeting is uniformity of United States and Canadian food, drug and cosmetic laws.

Among the many prominent experts on the subject who will address the gathering are the Federal Security Administrator, the United States Commissioner of Food and Drugs, the chief attorney of the food and drug division in the FSA's office of the general counsel, the Canadian Minister of Health, the director of food and drug divisions in the Canadian Department of National Health and Welfare, and the director of the food standards division in the English Ministry of Food.

Dr. W.E. Kuhn Receives Scroll from N.Y. AIC

Dr. Wayne E. Kuhn, manager of the technical and research division of the Texas Company, New York, received the second honor scroll of the New York chapter of the American Institute of Chemists at a dinner meeting last week.

In receiving the award, Dr. Kuhn stated that chemists must be vigilant against encroachments by the state on their profession. He said that careful watch must be maintained over all legislative proposals which might tend toward regimentation, citing as an example tax-supported research.

He also urged upon the assembled scientists that improved methods of communicating scientific data to the public should be devised. He held that general understanding of scientific accomplishments have tremendous value.

Monsanto Supervisor

Monte C. Throdahl has been named research supervisor in rubber chemicals by Monsanto Chemical Company's rubber service department, Nitro, W. Va. Mr. Throdahl, who joined Monsanto at Nitro in 1941, has served during the past year in a liaison capacity between the research and sales departments of the rubber service department. In his new post he will continue his liaison work while supervising rubber chemicals and control laboratory operations.

CSMA Outlines Agenda For Chicago Convention

The Chemical Specialties Manufacturers Association last week revealed the program for its thirty-sixth midyear meeting, to be held at the Drake hotel, Chicago, on June 12 and 13. Sessions will actually get underway on June 11, with meetings of the board of governors and of the various committees.

The general session will start on June 12 with reports of the president, secretary and treasurer, and presentation of papers by C. L. Rothermel, National School Service Institute, Chicago, "Centralized Purchasing versus Freedom of Enterprise"; Bernard E. Conley, secretary of the committee on pesticides, council of pharmacy and chemistry of the American Medical Association, "Program of American Medical Association on Pesticides Toxicity," and P. B. Morehouse, director of the bureau of stipulations, Federal Trade Commission, "Do's and Dont's in Advertising and Selling."

Remainder of the program is as follows:

June 12, 1:45 P.M.

Aerosol division will hear "Aims and Purposes of Aerosol Division," H. E. Peterson, Continental Filling Corporation, Danville, Ill.; "Propellants," Dr. J. Dowling, Kinetic Chemicals, Inc., Wilmington, Del., and a symposium on "New Developments in the Aerosol Field," with H. R. Shepherd, Connecticut Chemical Research Corporation, Bridgeport, as moderator.

Disinfectant and Sanitizers division will hear "Aims and Purposes of the Disinfectant and Sanitizers Division," Dr. E. G. Klarmann, Lehn & Fink Products Corporation, Bloomfield, N. J.; "Chlorinated Phenols in Liquid Soap," A. G. Bowers, chief chemist for the Hunt Manufacturing Company, Cleveland; "Anionic Dishwashing Compounds with Non-Toxic Germicides," Lawrence Flett, National Aniline Division of Allied Chemical & Dye Corporation, New York; "Public Health Aspects of Sanitation," Joel I. Connolly, assistant to the president of the Chicago Board of Health; "Evaluation of Antiseptic Soaps" (motion picture), Dr. Arthur R. Cade, Givaudan-Delawanna, Inc., New York, and H. M. Toombs, chief engineer of the Stevens hotel, Chicago, on a subject to be announced.

Insecticide division will hear "Aims and

—Continued on page 53

Amer. Spice Trade Ass'n Elects Schlichting Pres.

Harry J. Schlichting, of B. H. Old & Co., New York, was elected president of the American Spice Trade Association at its annual meeting last week at Shawnee-on-Delaware, Pa. Installed as vice-president was John J. Frank, of the Frank Tea & Spice Company, Cincinnati, Ohio.

Name to the office of treasurer was Robert F. Sayia, of A. A. Sayia & Co., New York. Ernest H. Winter was re-elected executive secretary of the association.

Sanitary Engineers Importance Studied

The increasing importance of the sanitary engineer in present day life was the theme sounded at the thirtieth annual meeting of the Conference of State Engineers held recently in Washington, D. C.

Dr. W. Palmer Dearing, Acting Surgeon General of the Public Health Service, told conference members from forty-five states, Canada, Hawaii and Alaska that environmental sanitation no longer is confined simply to water treatment and disposal of wastes. Pointing to, among other things, control of pollution of air and needed understanding of the significance of atomic research in relation to health, he said that sanitary engineers must explore if they are "to keep step with those in the van of scientific progress and modern social thinking."

C. W. Klassen, chief of the division of sanitary engineering, Illinois State Department of Public Health, discussed the role of the sanitary engineer in civil defense. L. M. Fisher, engineering field associate of the American Public Health Association and former secretary of the conference, said that the sanitary engineer can play an important part in preventing accidental deaths and disabilities in the home through the application of engineering technics, skills and practices.

B. A. Poole, director of the bureau of sanitary engineering, Indiana State Board of Health, said that the Federal government should restrict its water pollution control activities to broad national problems, leaving local and regional water pollution control activities to the states and interstate compacts. Carl E. Schwob, chief of the division of water pollution control, PHS, said that the Public Health Service will approach municipalities and industries through official state water pollution control officers. P. J. Houser, director of the bureau of sanitary engineering, Iowa State Department of Health, reported on cases of "blue babies" resulting from nitrate compounds in drinking water and recommended proper well construction and improved sanitation practices to prevent such occurrences.

The conference elected as its new chairman C. M. Everts jr., director of the division of envirenmental sanitation, Oregon State Board of Health. Earl Devendorf, director of the division of sanitation, New York State Department of Health, was named vice-chairman. C. H. Atkins, chief of the division of sanitation, PHS, will continue as secretary-treasurer of the group.

DCAT Nominating Comm. Chosen to Prepare Slate

Drug, Chemical and Allied Trades Section, New York Board of Trade, has appointed a nominating committee to prepare a slate of the new executive committee which will be presented for election at the sixtieth annual meeting of the organization, to be held September 21 to 23 at Shawnee-on-Delaware, Pa.

Following are the members of the committee:—Robert B. Magnus, vice-president of Magnus, Mabee & Reynard, Inc., who will serve as chairman; Harold M. Altshul, president of Ketchum & Co.; Carle M. Bigelow, manager of the pharmaceutical department, Calco Chemical Division of the American Cyanamid Company; Fred J. Stock, vice-president of Charles Pfizer & Co., and Lloyd I. Volckening, president of the Ivers-Lee Company. Charles P. Walker, jr., vice-president of DCAT, and Harold C. Green, chairman of the group, will be ex-officio members of the committee.

Du Pont Reassigns Staff In Electrochemicals Dept.

The Electrochemicals Division, E. I. du Pont de Nemours & Co., Wilmington, Del., has announced five changes in its sales division, effective June 1. Carl Dittmar, manager of the Cleveland, Ohio, district sales office, will be assigned to consulting duties until his retirement takes effect later this year. Albert R. Tucker, west coast sales manager, with headquarters at El Monte, Calif., will become the new district sales manager in the Cleveland area.

Edward W. McGovern, manager of sodium products, with headquarters in Wilmington, will assume the post of west coast sales manager. G. L. Dorough, manager of peroxygen products, will succeed Mr. McGovern in the sodium products position. P. R. Lindsay, sales manager of the sodium products division, in turn, will become manager of the peroxygen products division.

Could the chemical industry do without the telephone?

These days, Graham Bell's invention gets plenty of action from Purchasing Agents. Before an order for Fatty Acids is placed, a round of calls is made. PA's claim it's the only way they can get the best price quotation. So they're clamping ears to receivers—and the time adds up. Are all those nickels necessary?

Take a look at current and past quotations for Fatty Acids. By comparison you'll find Woburn has always offered quality Fatty Acids at parity market prices. In this industry, where price is important—Woburn prices have consistently been in line.

This fact can be good news for you. It means only one call for Fatty Acids. Call Woburn—KEarny 2-3300. The price is always right.

Woburn is also known for the quality of its Fatty Acids. But we're discussing that in other advertisements. Here we've been suggesting how you can save time. This advertisement took only 61 seconds to read. The suggestion will save you more than minutes. Not to mention the nickels.

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A light-color fractionated fatty acid of sunflower type for light-colored color-retentive alkyds of the baking type. Free of linolenic acid. Recommended also for soaps and detergents when a light-colored product of minimum residual odors is desired.

WOBURN dependable PRODUCTS

Current Market Quotations

Chemicals and Related Materials

May 26, 1950

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).
Acenaphthene, below 92.5 C., m.p., dms., works lb. .40 - —
above 92.5 C. m.p. dms., works, lb. .50 - —
Acetaldehyde, 99%, dms., c.l., frt. equald lb. .11½- —
l.c.l., frt. equald lb. .12 - .12½
tanks, frt. equald lb. .09½- —
Acetaldol (see Aldol)
Acetamide, tech., fib., dms lb. .45 - —
Acetanilide, tech., bbls., c.l., divd. or frt. equald lb. .22 - —
l.c.l., ton lots lb. .23 - —
smaller lots lb. .26 - —
USP, bbls., 2,000-lb. lots lb. .50 - —
smaller lots lb. .56 - —
Acetic anhydride, dms., c.l., frt. alld. E lb. .13 - —
l.c.l., frt alld. E lb. .14½- —
tanks, frt. alld. E lb. .11½- —
Acetoacetanilide, bbls., divd. lb. .67½- —
fib. dms., c.l., divd lb. .66½- —
l.c.l., divd lb. .67½- —
Acetoacetorthoanisidide, fib. dms., works, 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb. 1.75 - —
Acetoacetorthochloranilide, bbls., divd lb. 1.13 - —
fib. dms., c.l., divd lb. 1.14 - —
l.c.l., divd lb. 1.15 - —
Acetoacetorthotoluidide, bbls., divd lb. .72½- —
fib. dms., c.l., divd lb. .71 - —
l.c.l., divd lb. .72 - .73
Acetone, CP dms., c.l., divd lb. .09 - —
l.c.l., divd lb. .09½- .10
tanks, divd lb. .07½- —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. .43 - —
l.c.l., works lb. .45 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.33
Acetophenone, cns., dms lb. 1.50 - 1.85
tech., l.c.l., dms., works lb. .75 - —
Acetoacetoparaphenetidide, d m s., 500 lbs or more, works, lb. 1.63 - —
smaller lots same basis lb. 1.90 - —
Acetyltributyl citrate, dms. lb. .43 - .45
smaller pkgs lb. .48 - .54
Acetyltriethyl citrate, dms. lb. .36 - .38
smaller pkgs. lb. .41 - .47
Acid, abietic, com'l, dms., c.l., works lb. .10 - —
l.c.l., works lb. .1145- —
cryst., dms., c.l., works lb. .05½- —
l.c.l., works lb. .06 - .06½
Acetic, com'l or redist., 28% bbls. 100 lbs. 4.00 - —
56%, bbls. 100 lbs. 7.00 - —
70%, bbls. 100 lbs. 8.40 - —
80%, bbls. 100 lbs. 9.40 - —
glacial, synthetic, CP, dms., works 100 lbs.13.00 - —
cbys., works 100 lbs.16.00 -22.00
USP, cbys., works 100 lbs.13.50 -17.50
tech., dms., c.l., works 100 lbs. 9.00 - 9.50
l.c.l., works 100 lbs. 9.50 -10.00
tanks, works 100 lbs. 7.50 - —

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls., same basis, lb. .50 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt., dms., lb. .49 - —
smaller lots, dms lb. .49½- .54½
Adipic, fib. dms., works lb. .26½- —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75
Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.10 - —
Arsenous, tech. (see Arsenic, white).
USP (see Arsenic trioxide).
Ascorbic, USP dms., 500-kilo lots kilo.24.50 - —
25-50 kilo lots kilo.25.00 - —
10-kilo lots kilo.25.25 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - 1.75
t.c.l., E. works 100 lbs. 2.13 - 2.32
Benzoic, tech., bbls., dms., 100 lbs. or more lb. .43 - —
USP, bbls., dms., 100 lbs up lb. .54 - —
Betahydroxynaphthoic bbls., works lb. 1.25 - —
Boric, tech., 99½%, cryst., bgs., c.l., works ton.115.25 - —
ton lots ex whse, N. Y. or Chi. ton.160.00 - —
less ton lots, same basis, ton.165.00 - —
bbls., c.l., works ton.135.25 - —
ton lots, ex whse., N. Y. or Chi. ton.180.00 - —
less ton lots, same basis, ton.185.00 - —
bulk, c.l., works ton.111.75 - —
gran., bgs., c.l., works ton.90.25 - —
ton lots, ex whse., N. Y. or Chi. ton.135.00 - —
less ton lots, same basis, ton.140.00 - —
bbls, c.l., works ton.110.25 - —
ton lots, ex whse., N. Y. or Chi. ton.155.00 - —
less ton lots, same basis, ton.160.00 - —
Boric, tech., 99½-99¾%, dms., c.l. works lb. .25½- —
l.c.l., works lb. .26 - .27
USP (see Chromium trioxide).
Cinnamic, refd., bots lb. 2.50 - 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½- —
10,000 lbs., 1 ship't lb. .27 - —
smaller lots lb. .27½- —
kgs. lb. .28½- —
Anhydrous citric acid powder, ½c per lb higher.
USP, cryst., dms., c.l. lb. .27½- —
10,000 lbs., 1 ship't lb. .28 - —
smaller lots lb. .28½- —
kgs. lb. .29½- —
gran., fine gran., dms., c.l. lb. .24½- —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26½- —
USP citric acid powder ½c. per lb. higher.
Cleve's, mixed, bbls lb. .66 - .72
Coconut oil, dist., dms lb. .24 - .25¼
double dist., dms lb. .26 - .27¼
Corn oil, s.d., dms lb. .10½- .11
Cottonseed oil, dist., dms lb. .10¼- .11½
Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt. equald gal. .81 - .96
l.c.l., non-ret. dms., same basis gal. .84 - .99
ret. dms., c.l., same basis gal. .78 - —
l.c.l., same basis gal. .81 - —
Acid, cresylic, dom., coaltar, 50% above 207°C, tanks, same basis gal. .70 - .85
204° to 207° C, non-ret. dms., c.l., same basis gal. .88 - .96
l.c.l., same basis gal. .90 - .99
ret. dms., c.l., same basis, gal. .83 - —
l.c.l., same basis gal. .86 - —
tanks, same basis gal. .75 - .83
petroleum, 179°C to 199°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .67½- —
l.c.l., same basis gal. .69½- .71½
tanks, same basis gal. .57 - —
195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½- —
l.c.l., same basis gal. .57½- .59½
tanks, same basis gal. .45 - —
200°C to 222°C, tanks, Wilmington, Cal. gal. .40½- —
211°C to 236°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½- —
l.c.l., same basis gal. .55½- .57½
tanks, same basis gal. .43 - —
220°C to 242°C, tanks, Wilmington, Cal. gal. .38½- .41½
237°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .51½- —
l.c.l., same basis gal. .53½- .55½
tanks, same basis gal. .41 - —
245°C to 298°C, tanks, Wilmington, Cal. gal. .36½- —
293°C to 325°C, tanks, Wilmington, Cal. gal. .26½- —
imported, coaltar, 75% at 215°C or over, dms., c.i.f. gal. .52½- .57½
Crotonic, fib dms., works lb. .29 —
Cyanoacetic, tech., bbls lb. .90 - 1.25
Desoxycholic lb.17.00 -22.00
Dichlorophenoxyacetic, (see "D", 2, 4-D)
Diethylbarbituric (see Barbital).
Diglycollic, bgs., works lb. .14 - —
Ethylhexoic, dms., c.l., works lb. .31 - —
l.c.l., works lb. .31½- —
tanks, works lb. .29½- —
F, bbls., works lb. 1.87 - 1.93
Folic, bots., fib. ctns. kilo or more gram. 2.00 - —
Formic, 85%, cbys., c.l. works lb. .13 - .13½
l.c.l., works lb. .13½- .14
90%, cbys., c.l., works lb. .13½- .14
l.c.l., works lb. .14 - .14½
Fumaric, tech., bbls., dms lb. .30 - .31
Gallic, NF VII, bbls., 1,000-lb. lots lb. 1.60 - —
smaller lots lb. 1.63 - 1.65
technical, bbls., 1,000-lb. lots lb. 1.43 - —
smaller lots lb. 1.46 - 1.48
Gamma, bbls lb 1.20 —

Acacia—Acid, Orthocresotinic

Acid, gluconic, tech., 50%, bots lb. .23 - .31
dms lb. .14 - —
kgs. lb. .16 - —
Glutamic, laevo, 99%, fiber dms., 100 lb. lots, works lb. 2.30 - 2.40
25 lb. lots lb. 2.45 - —
Glyceraphosphoric, 35%, dms., works lb. 2.13 - 2.23
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. .73½- —
Hydriodic, 45-47%, cbys lb. 2.57 - 2.59
57%, cbys lb. 2.86 - —
Hydrobromic, medicinal, 48%, cbys., divd. E lb. .28 - —
tech., 48%, cbys., divd. E lb. .34 - .36
34%, cbys., divd E lb. .35 - .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb. 1.00 - —
dilute, NF, 2%, 5-lb. bots lb. .37 - —
Hydrofluoric, anhyd., cyls., works, lb. .19 - .19½
tanks, works lb. .16½- —
30%, wood or rubber, dms., works lb. .06½- .09
70%, steel dms., works lb. .143 - .149
Hydrofluosilicic, 30-35%, bbls lb. .08 .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Relle, W Va., 100% basis lb. .083 - —
Hypophosphorus, purif., 50%, cbys, lb . 1.30 - 1.32
USP, cbys lb. .78 - —
J, bbls., works, 100% basis lb. 2.50 - 2.85
L, bbls., works lb. .95 - —
Lactic, edible, 50%, bbls., 20 or more lb. .16 - .18
smaller lots lb. .17 - .19
80%, bbls. 20 bbls. or more, lb. .285 .339
plastic grade, 50% bbls., 20 or more lb. .19¾- —
10 or less lb. .20¾- —
80%, bbls., 5 or less lb. .3495 .3549
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs.10.95 - —
l.c.l., bbls., works 100 lbs.11.35 - —
cbys., works 100 lbs.11.85 - —
NF, 85%, cbys lb. .69 - .72
Laurent's, bbls lb. .60 - .67
Lauric, dist., 85-90%, dms lb. .23 - .23½
99%, dms lb. .25 - .25½
Linseed oil, reg. dist., dms lb. .2150- .2210
water-white, dms lb. .2450- .2510
Maleic, powd., dms lb. .30 - .31
Anhydride (see M).
Malic, dms lb. .45 - —
Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 - —
smaller lots lb. 1.90 - 2.10
Methacrylic, dms., c.l., and truckloads, works lb. .76 - —
less than truckload, works lb. .76½- .80
Mixed, tanks, nitric unit lb. .05 .06
sulphuric unit lb. .0085- .009
Molybdic, dms., 85%-82%, works lb. .33 - —
Monochloroacetic, purified, flake, 99% dms lb. .22½ .23½
tech., flake, 96-97%, bbls lb. .18 - .19
Muriatic, 18°, cbys., c.l., works, 100 lbs. 1.90 - 2.15
l.c.l., works 100 lbs. 2.55 - 3.25
tanks, works ton.20.00 - —
20°, cbys., c.l., works 100 lbs. 2.15 - 2.65
l.c.l., works 100 lbs. 3.05 - 3.75
tanks, works ton.22.00 - —
22°, cbys., c.l., works 100 lbs. 2.65 - —
l.c.l., works 100 lbs. 3.05 - 3.75
tanks, works ton.25.00 -27.00
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾ —
l.c.l., same basis lb. .09¼- .09¾
8 pint bottles extra, cs., c.l., frt. equald lb. .12¾- —
t.c.l., same basis lb. .14¼- .15¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.

Myristic, dist., dms lb. .30½- —
Naphthenic 220-230 acidity, dms., works lb. .13 - —
tanks, works lb. .11 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, H).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H)
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(2)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's mixed)
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .33 - —
Nicotinic, USP, dms., frt adjusted kilo. 6.00 - 6.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.40 - 6.10
38° cbys. c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.90 - 6.65
40° cbys. c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E. works 100 lbs. 6.40 - 7.10
42° cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.90 - 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11½- —
l.c.l., same basis lb. .13 - .13½
8 pint bottles extra, cs., c.l., frt. equald lb. .15½- —
t.c.l., same basis lb. .17 - .19

Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.

Abbreviations
Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	neutral.
		dextro.	dextrorotatory	NF	National Formulary
		distr.	distributor		
alld.	alloyed	djns.	demijohns	nom.	nominal
ammo.	ammonia	dlvd.	delivered	No.	number
amorph.	amorphous	dms.	drums	ord.	ordinary
anhyd.	anhydrous	dom.	domestic	oz.	ounce
a.p.a.	available phosphoric acid	E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
		ferment.	fermentation	pkgs.	packages
Be.	Baume	ffa.	free fatty acid	powd.	powdered
bgs.	bags	ffc.	free from chlorine	precip.	precipitated
bbls.	barrels			prod.	producer
bls.	bales	fib.	fiber	pt.	point
bots.	bottles	f.o.b.	free on board	pulv.	pulverized
b.p.	boiling point	F.P.A.	free of prussic acid	purif.	purified
b.p.l.	bone phosphate of lime	frt.	freight	redist.	redistilled
		fus.	fused	refd.	refined
b.r.	boiling range			refy.	refinery
bxs.	boxes	gal.	gallon	reg.	regular
C	centigrade	gran.	granular	resub.	resublimed
cbys.	carboys	grd.	ground	ret.	returnable
CD	completely denatured	I.&a.	iron and aluminum	SD	specially denatured
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	s.d.	single distilled
				S. E.	southeast
ckg.	casks	imp.	imported	secs.	seconds
c.l.	car lots	incl.	included	s.g.	specific gravity
cns.	cans	indust.	industrial	ship't	shipment
col.	color	kgs.	kegs	solut.	solution
com'l	commercial	lacq.	lacquer	s.u.	standard unit
conc.	concentrated	lb.	pound	synth.	synthetic
CP	chemically pure	l.c.l.	less than car lots	tech.	technical
cps.	centipoises	liq.	liquid	USP	U. S. Pharmacopoeia
cryst.	crystal	m.a.p.	mixed aniline point	vis.	viscosity
cs.	cases			VM&P	varnish makers & painters
ctns.	cartons	min.	minimum		
cyls.	cylinders	m.p.	melting point	W.	west
dbl.	double	N.	nitrogen	w.w.	water white
denat.	denatured	nat.	natural	whse.	warehouse
dest.-dist.	destructive-distilled				

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

Acid, Octoic—Alcohol, Phenylethyl

Acid, octoic (see Acid, ethylhexoic).
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms., ton lots, works lb. .62 • —
smaller lots, works lb. .64 • —
Oxalic, bbls., c.l., works lb. .14¼ • —
10,000 lbs., works lb. .14½ • —
smaller lots, works lb. .15¼ • .15¼
Palm oil, white, dist., dms lb. .21¼ • .21¾
Para-aminobenzoic, purified, dms., 100 lbs. or more, works lb. 3.75 • —
smaller lots, works lb. 3.85 • 4.00
technical, dms lb. 1.84 • —
Para-aminosalicylic, dms., 1,000-lb. lots or more lb. 5.50 • —
smaller lots lb. 5.55 • 6.50
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic cns. lb. .87 • —
Paratoluidinmetasulphonic, bbls., works lb. .92 • —
Peanut oil, s.d., dms lb. .12¾ • .13¼
Perchloric, 60%, cbys., works lb. .58 • .62
70-72%, cbys., works lb. .61 • .66
Phenylacetic, bots lb. 1.51 • 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 • —
t.c.l., works, frt. alld, 100 lbs. 7.50 • —
tanks, works, frt. equald 100 lbs. 4.50 • —
NF, 85%, cbys., c.l lb. .10½ • —
For shipments in cbys., add handling charges.
Picramic ngs lb. .65 • .70
Picric, NF, bbls lb. .42 • —
tech., bbls. lb. .32 • .33
Acid, propionic, nat., dms., works, tanks, works lb. .13 • —
synth., pure, dms., works lb. .17 • —
synth., works lb. .21 • —
tanks, works lb. .19 • —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 • 3.18
resub., dms lb. 3.30 • 3.45
Pyroligneous, dms. incl., c.l., ex whse. gal. .43 • —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 • 3.00
Salicylic, crude, bbls lb. .28 • —
sublimed, tech., bbls., c.l. lb. .31 • —
t.c.l. lb. .38 • —
dyestuffs grade, bbls lb. .32 • —
USP, cryst., bbls lb. .40 • —
powder, bbls lb. .45 • —
Sebacic, purified, dms., c.l., works, lb. .47 • —
t.c.l., works lb. .49 • .53
Soybean oil, single dist., dms lb. .13 • .14¼
double dist., dms lb. .14 • .15¼
Stearic, double pressed, bgs lb. .14 • .15¼
single-pressed, bgs lb. .13 • .14¼
triple-pressed, bgs lb. .16¼ • .17½
Succinic, purified, cryst., bbls., works lb. .75 • —
tech., bbls., works lb. .65 • .75
Sulphanilic, tech., dms., c.l., works lb. .15 • —
t.c.l., works lb. .17 • —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.65 • —
t.c.l., works 100 lbs. 2.05 • 2.50
tanks, works ton. 14.40 • 14.50
66° Be, cbys., c.l., works 100 lbs. 1.90 • —
t.c.l., works 100 lbs. 2.30 • 2.75
tanks, works ton. 17.75 • 18.00
96%, tanks, works ton. 18.50 • 19.00
Acid, sulphuric, CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾ • —
t.c.l., same basis lb. .09¼ • .09¾
8 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼ • —
t.c.l., same basis lb. .12¾ • .13¾
fuming, 20%, tanks, works ton. 19.85 • 20.00
Tallow, dist., dms lb. .10½ • .11¼
Tannic, tech., 60-62%, dms lb. .68 • .69
70-72%, dms. lb. .80 • .85
75-76%, dms. lb. .86 • .90
fluffy, bbls., 1,000-lb. lots lb. 1.45 • —
smaller lots lb. 1.46 • 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 • —
smaller lots lb. 1.36 • 1.50
Tartaric, USP, dom., 230, 250 lb. dms., 10,000 lbs., 1 ship't. lb. .31¼ • —
smaller lots lb. .32 • —
100-lb. dms lb. .33 • —
small, dms lb. .35 • .37
imported, kgs lb. .28 • .30
Thioglycolic, refined, bbls., cbys., basis 100% lb. 1.60 • 1.80
tech., bbls., cbys., basis 100% lb. 1.40 • —
Tobias, bbls lb. .65 • —
Trichloroacetic, bots lb. 2.00 • 2.50
Toluenesulphonic, dms., c.l., works lb. .18¼ • —
t.c.l., works lb. .20 • —
tanks, works lb. .17 • —
Tungstic, tech., kgs., works lb. 2.20 • 2.40
Aconite leaves, bls lb. .55 • .60
Root, bls lb. .60 • .70
Aconitine, amorph., mild, bots oz. 27.50 • 32.50
cryst., potent, bots oz. 78.00 • 85.00
Acrolein, dms., works lb. .50 • —
Acrylonitrile, dms., c.l., works lb. .40½ • —
t.c.l., works lb. .41 • .60
tanks, works lb. .39 • —
Adeps lanae (see Lanolin).
Adonis vernalis herb, bls lb. .30 • .40
Agar, USP, Kobe, No. 1 strip, bls lb. 1.28 • 1.30
powdered, 30 mesh, fib. dms lb. 1.65 • —
Agaric, white, bls lb. 1.60 • 1.75
Agrimony herb, bls lb. .30 • .35
Alanine, dextro-laevo, dms., works, lb. 8.50 • 11.00
Albumen (egg), edible, flake, bbls. lb. 1.10 • 1.14
powd., bbls. lb. 1.15 • 1.19
tech., cryst., bbls lb. .70 • .75
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., t.c.l lb. .67½ • .72¼
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31½ • —
t.c.l., dlvd. lb. .32 • —
tanks, dlvd lb. .30 • —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss lb. .16 • —
t.c.l., frt. alld. E. of Miss lb. .17 • —
tanks, frt. alld. E. of Miss lb. .15 • —
(see also Fusel oil, ref.)
fermentation, refined, 126-132°C, dms., c.l., dlvd lb. .33½ • —
t.c.l., dlvd lb. .34½ • —
tanks, dlvd lb. .32 • —
128-132°C, dms., t.c.l., dlvd. lb. .36 • —
ACS grade, dms., t.c.l., dlvd lb. .42 • —
Benzyl, dms. lb. .58½ • .59
tech., dms., works, frt. equald. lb. .45 • .50
Butyl, fermentation, normal, fil., ind. prod., dms., c.l., frt. alld. lb. .13½ • —
t.c.l., frt. alld lb. .14½ • —
tanks, frt. alld lb. .12 • —
tankwagon, frt. alld lb. .12½ • —
ether production, dms., c.l., frt. alld. lb. .13¼ • —
t.c.l., frt. alld lb. .14½ • —
tanks, frt. alld lb. .12 • —
synthetic, normal, dms., c.l., frt. alld lb. .13½ • —
t.c.l., frt. alld lb. .14½ • —
tanks, frt. alld lb. .12 • —
secondary, dms., c.l., frt. alld. lb. .10½ • —
t.c.l., dlvd., frt. alld lb. .11 • —
tanks, dlvd., frt. alld lb. .09 • —
tertiary, dms., c.l., frt. alld. lb. .13½ • —
t.c.l., frt. alld lb. .14 • —
tanks, frt alld lb. .12 • —
Capryl, dms., c.l., works lb. .26½ • —
t.c.l., works lb. .27½ • —
tanks, works lb. .25 • —
Cetyl, dom., CP., fiber cns., 1,000 lbs. lb. 1.50 • —
smaller lots lb. 1.55 • —
Cinnamic, bots lb. 2.75 • 2.95
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .47½ • .48¼
t.c.l., dlvd. E. of Miss. R. gal. .51½ • .57½
tanks, dlvd. E. of Miss. R gal. .37½ • .38½
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. Miss. R. gal. .48½ • —
t.c.l., same basis gal. .52½ • .57½
tanks, same basis gal. .38½ • —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf, dms., c.l., dlvd. E. of Miss. R. gal. .47 • —
t.c.l., same basis gal. .51 • .56
tanks, same basis gal. .37 • —
SD2B, dms., c.l., E. of Miss. R. gal. .46 • —
t.c.l., same basis gal. .50 • .55
tanks, same basis gal. .36 • —
SD3A, dms., c.l., E. of Miss. R gal. .45½ • —
t.c.l., same basis gal. .49½ • .54½
tanks, same basis gal. .35½ • —
SD23A, dms., c.l., E. of Miss. R. gal. .48 • —
t.c.l., same basis gal. .52 • .57
tanks, same basis gal. .38 • —
SD23H, dms., c.l., E. of Miss. R. gal. .48 • —
t.c.l., same basis gal. .52 • .57½
tanks, same basis gal. .38 • —
SD27A, dms., c.l., E. of Miss. R. gal. .77½ • —
t.c.l., same basis gal. .81½ • .86½
tanks, same basis gal. .67½ • —
SD30, dms., c.l., E. of Miss. R. gal. .45½ • —
t.c.l., same basis gal. .49½ • .54½
tanks, same basis gal. .35½ • —
SD35A, dms., c.l., E. of Miss. R. gal. .48 • —
t.c.l., same basis gal. .52 • .57
tanks, same basis gal. .38 • —
SD40, dms., c.l., E. of Miss. R. gal. .46½ • —
t.c.l., same basis gal. .50½ • —
tanks, same basis gal. .36½ • —
Special solvent (see Alcohol, denat., proprietary).
Diacetone, acetone free, dms., c.l., dlvd. lb. .13½ • —
t.c.l., dlvd lb. .14 • —
tanks, dlvd lb. .12 • —
tech., dms., c.l., dlvd lb. .13 • —
t.c.l., dlvd lb. .13½ • —
tanks, dlvd lb. .11½ • —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal. 17.55 • —
t.c.l., same basis gal. 17.59 • 17.64
tanks, same basis gal. 17.45 • —
tax free, dms., c.l., dlvd. E. Miss. R. gal. .45 • —
t.c.l., same basis gal. .49 • .54
tanks, same basis gal. .35 • —
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.50 • —
t.c.l., same basis gal. 18.54 • 18.59
tanks, same basis gal. 18.40 • —
Ethylhexyl, dms., c.l., dlvd lb. .29¼ • —
t.c.l., dlvd lb. .30¼ • —
tanks, dlvd lb. .27¾ • —
Furfuryl, tech., cns., works lb. .30 • —
dms., c.l., works lb. .31½ • —
t.c.l., works lb. .23 • —
tanks, works lb. .18 • —
Isoamyl (see Alcohol, amyl refined, fermentation).
Isobutyl, dms., c.l., dlvd lb. .13½ • —
t.c.l., works lb. .14½ • —
tanks, dlvd lb. .12 • —
Iso-octyl, dms., c.l., works lb. .29¼ • —
t.c.l., works lb. .29¾ • —
tanks, works lb. .27¾ • —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd. gal. .42 • —
t.c.l., dlvd gal. .45 • —
tanks, dlvd gal. .32 • —
95%, dms. incl., c.l., dlvd. gal. .43½ • —
t.c.l., dlvd gal. .46½ • —
tanks, dlvd gal. .33½ • —
99%, dms., incl., c.l., dlvd gal. .45 • —
t.c.l., dlvd gal. .48 • —
tanks, dlvd gal. .35 • —
Methyl (see Metnanol).
Methylamyl (see Carbinol, methyl-isobutyl).
Nonyl (see Trimethylhexanol).
Octyl, perfumer's grade, bots lb. 2.15 • 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns. lb. 1.49 • 1.70

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Alcohol, polyvinyl, type A, fiber-pack, Niagara Falls..lb. .95 - .76
type B, fiber-pack, same basis lb. .80 - .68
Propyl, normal, dms., c.l., dlvd. lb. .09½- —
works .....lb. .08 - —
l.c.l., dlvd.....lb. .10 - —
works .....lb. .08½- —
tanks, dlvd.....lb. .08 - —
works .....lb. .09¼- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .47 - —
dms., c.l., Waverly, N. Y. ..lb. .40 - —
l.c.l., same basis.....lb. .44 - —
tanks, Niagara Falls, N. Y. ..lb. .36 - —
Aldol, 95%, dms., works.....lb. .15 - .16
denaturing grade, dms. ..... gal. 1.33 - 1.48
Aldrin, 60% solut., dms., c.l., works, frt. alld.....lb. .97 - —
l.c.l., works, frt. alld.....lb. 1.05 - —
Aletris root, bgs. .....lb. 1.50 - 1.60
Algin, bbls., fib. dms.....lb. .76 - 1.20
Alizarin (see Red, alizarin)
Alkanet root, bgs.....lb. .35 - .40
Allethrin, 100%, dms., 1 to 10 dm. lots..lb.45.00 - —
smaller lots, works.....lb.50.00 -55.00
solution, 20%, dms., 100 lb.-lots, works..lb. 9.00 - —
10%, dms., works.....gal.37.75 - —
2%, dms., works.....gal. 7.75 - —
Allspice, Jamaica (see Pimento).
Guatemalan, bgs.....lb. .19 Nom.
Allyl bromide, cnys., 5,000 cns., works..lb. .99 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd.....lb. .16½- —
l.c.l., dlvd. .....lb. .17 - —
tanks, dlvd. .....lb. .15 - —
Starch, solid, dms., works.....lb. .58 - —
solution, 40%, dms., works...lb. .279 - .297
50%, dms., works.....lb. .446 - —
Aloe, Cape, cs.....lb. .21 - .23
Curacao, kgs.....lb. .35 - .36
Socotrine, kgs.....lb. .35 - .36
Aloin, USP, bbls., dms., kgs.....lb. 3.50 - —
Alphacellulose, bgs., c.l., works..lb. .04 - .15
Alphanaphthol, bbls.....lb. .70 - —
Alphanaphthylamine, bbls.....lb. .41 - .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld..lb. 2.00 - 2.40
Alphanitronaphthalene, bbls.....lb. .34 - —
Alphapicoline, ret. dms., c.l., works, frt. equald..lb. .29½- —
l.c.l., works, frt. equald.....lb. .30 - —
Alphapinene, tanks, South, works... gal. No prices.
Alphaterpineol, dms., l.c.l., dlvd. E. lb. .17 - —
Alphatocopherol, bots.....kilo.350.00 - —
Acetate, bots.....kilo.350.00 - —
Althea root, NF, peeled, bls.....lb. .30 - .40
Alum, ammonium, gran., bbls., works..100 lbs. 3.30 - —
lump, bbls., works.....100 lbs. 4.05 - —
powd., bbls., works....100 lbs. 4.20 - —
USP, burnt, bbls. ..... lb. .20 - .21
hydrous, bbls. .....lb. .07¾- .08
Potassium, gran., bbls., works ... 100 lbs. 4.05 - —
lump, bbls., works....100 lbs. 4.30 - —
powd., bbls., works....100 lbs. 4.45 - —
USP, burnt, bbls.....lb. .20 - .21
hydrous, bbls.....lb. .07¾- .08
Potash-chrome, dms.....lb. .17 - —
Soda, bbls., c.l., works.....100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works . lb. .03½- .05
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls., l.c.l., works.....lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works..lb. .11 - —
l.c.l., works .....lb. .11½- —
cryst., com'l, dms., c.l., works.lb. .0650- —
l.c.l., works .....lb. .0990- —
NF, gran., dms., works.....lb. .27 - .38
solution, 32°, cbys., c.l., works.lb. .03¼- —
l.c.l., works .....lb. .04 - —
Fluoride, tech., anhyd., bbls., c.l., works..lb. .10 - —
l.c.l., works.....lb. .11 - .13
Formate, basic solution, cbys., c.l. lb. .09½- —
l.c.l., works.....lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald..ton.50.00 -54.00
l.c.l., works.....ton.72.00 -86.00
light, bgs., dlvd.....lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works..lb. .21¼- —
contract, works....lb. .20¼- —
8-9½% Al_2O_3, fib. dms., works lb. .18¼- —
contract, works....lb. .17¼- —
dried, USP XII, fib. dms., works. lb. .79½- —
contract, works.....lb. .76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls .....lb. .38½- —
Linoleate, solid, dms., frt. alld..lb. .39½
Metal, 98-99%, ingots, 10,000 lbs. lb. .17½- —
pigs, 10,000 lbs. .....lb. .16½- —
Naphthenate, liquid, 1.7%, frt. alld..lb. .24½- .25
Oleate, dms., precip.....lb. .35¼- —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld..lb. .14 - .13
kgs., ton, frt. alld....lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld..lb. .32 - .33
kgs., frt. alld.....lb. .31 - —
500 mesh, dms., frt. alld . lb. .35 - .37
kgs., frt. alld.....lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs., frt. alld.....lb. .50 - —
optical, floated, kgs., dlvd... lb. .36 - .36
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld.....lb .15 - —
high-purity, alpha or gamma, ultrafine, dms., works..lb.13.50 - —
jars, works.....lb.15.00 -17.00

Aluminum oxide flour prices W of Denver ¾c. per lb. higher.

Paste, lining, extra fine, dms lb. .33 - —
standard, dms.....lb. .39½- —
Powder, lining, extra fine, dms. lb. .96 - —
standard, dms.....lb. .64½- —
rubber comp., dms.....lb. .43½- —
unpolished, standard, dms....lb. .44½- —
varnish, standard, dms.....lb .49 - —

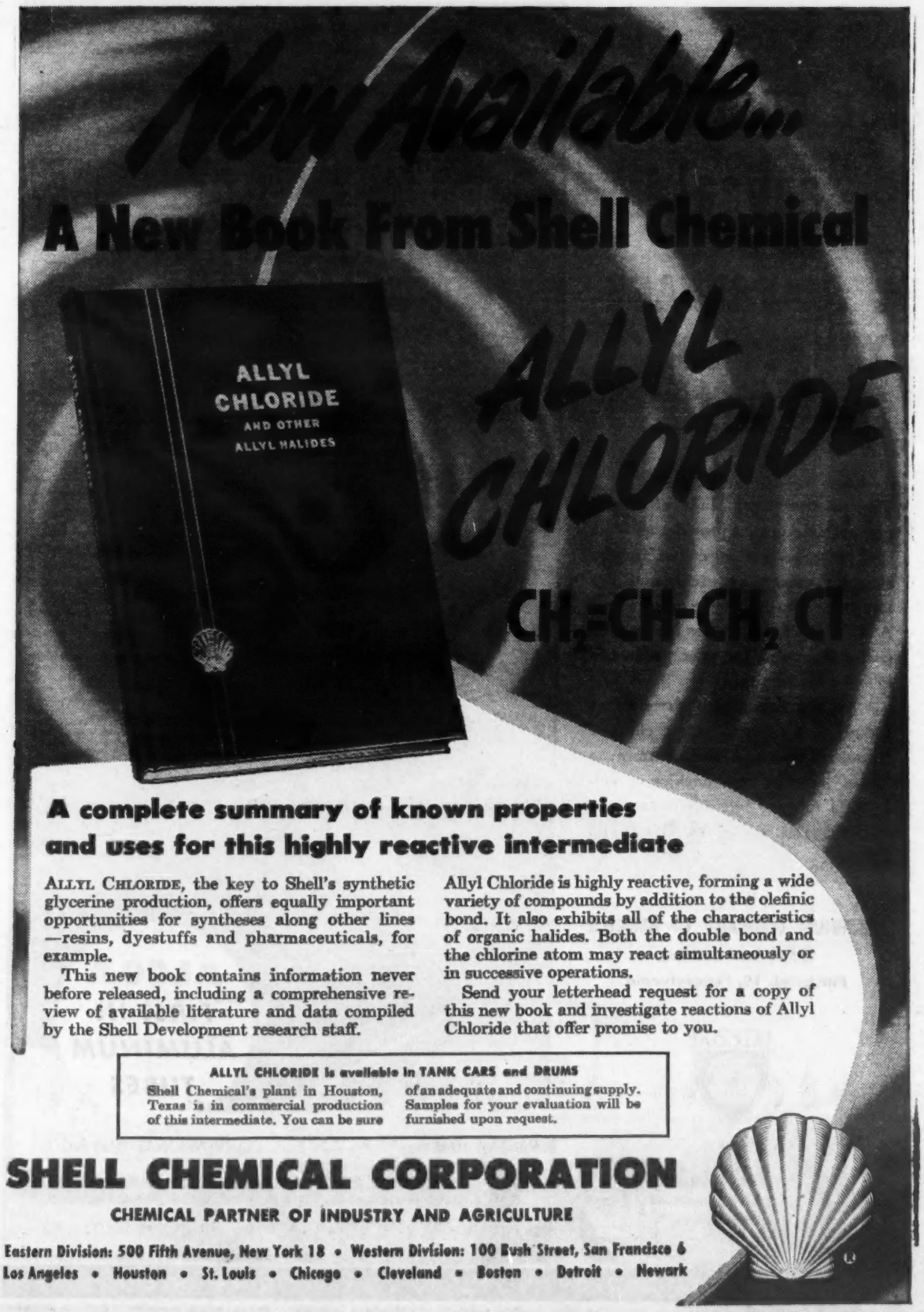
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld. lb. .34 - —

Aluminum stearate, dibasic, cms., c.l..lb. .30 - —
l.c.l. .....lb. .31 - —
monobasic, stns., c.l.....lb. .30 - —
l.c.l. .....lb. .31 - —
tribasic, stns., c.l.....lb. .30 - —
l.c.l. .....lb. .31 - —
Sulphate, com'l, bgs., c.l., works, equald..100 lbs. 1.50 - —
l.c.l., same basis..100 lbs. 1.90 - —
Iron-free, bgs., c.l., works, frt. equald..100 lbs. 2.75 - —
l.c.l., works.....100 lbs. 3.15 - —
NF, gran., dms., works.....lb. .27 - .28
powd., dms., works.....lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots.....oz. 8.00 -12.00
Aminoazotoluene, bbls.....lb. 1.03 - —
Aminomethylpropanol, cns., dms., works..lb. .85 - .90
Aminoethylethanolamine, dms., c.l., works..lb. .42 - —
l.c.l., works .....lb. .42½- —
tanks, works .....lb. .40 - —
Aminophylline, USP, 100-lb. dms..lb. 5.35 - —
Aminopyrine, USP, bats., dms...lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works..ton.74.00 -75.00
pure, cyls., extra, zone 1....lb. .17 - .17½
2 .....lb. .19 - .19½
3 .....lb. .21 - .21½
4 .....lb. .16 - .19½
refrigeration, tanks, works ton.76.50 -77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 - —
l.c.l., works.....100 lbs. 3.50 - —
tanks, works, anhyd. basis ton.80.00 -81.00
Ammoniac gum (see Gum ammoniac)
Sal, gray, bgs., c.l., works, frt. equald..100 lbs. 6.53 - —
l.c.l., same basis..100 lbs. 6.93 - —
white, gran., ogs., c.l., works 100 lbs. 4.60 - —
l.c.l., works.....100 lbs. 6.25 - —

Alcohol, Polyvinyl—Ammonium Thiocyanate

Ammoniacal liquor, tankcars, works, anhyd. basis ton.73.00 -80.00
Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars .....lb. .81 - .83
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld lb. .80 - —
smaller lots, frt. alld..lb. .81 - 1.08
Biborate, bbls., c.l., works..ton.302.00 - —
ton lots, works.....ton.355.50 - —
less ton lots, works.....ton.360.50 - —
Bicarbonate, dms., works, c.l. lb. .05½- —
l.c.l., works, dms.....lb. .06 - —
Bichromate, bbls., works.....lb. .31 - .36
Bifluoride dms. dlvd .....lb. .18 - .18½
Bromide, gran., NF, bbls.....lb. .36 - .37
dms. .....lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms..lb. .20 - .21
Chloride, tech. (see Ammoniac, sal). USP, gran., bbls., dms.....lb. .18 - .19
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, cms..... lb. 2.40 - —
Iodide, NF, jars.....lb. 3.81 - 3.91
Linoleate, pastic, 80%, dms., works..lb. .40½- —
kgs., works .....lb. .42½- —
25%, dms., frt. alld.....lb. .21½- —
tech., bbls., works.....lb. .37 - —
dms., works .....lb. .39 - —
Molybdate, chemical grade, bbls., kgs..lb. .85 - —
metal grade, kgs.....lb. .90 - —
tech. grade, bbls., kgs.....lb. .80 - —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point..ton.37.50 - —
dom., ogs., western works ton.50.00 - —
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va ton.46.00 - —
Oleate, dms., precip .....lb. .23½- —
Oxalate, fine gran., dms .....lb. .25 - .31
Pentaborate, gran., bbls., c.l., works ton.212.00 - —
ton lots, works .....ton.265.50 - —
less ton lots, works .. ton.279.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works .....lb. .50 - .75
Persulphate kgs .....lb. .25½- .33¼
Phosphate, com'l, bgs., c.l., works, lb. .06 - —
l.c.l., works .....lb .06½- —
dibasic, NF V, bbls., dms.....lb .40 - —
tech., bgs., c.l., works.....lb. .08 - —
l.c.l., works .....lb. .06½- —
Salicylate, NF, dms., kgs ...lb 1.25 - 1.28
Silicofluoride, dms., works lb. .12 - .13
Sulphamate, bbls., dms. works lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens..ton.32.00 -37.00
converters', bulk, works... ton.45.00 Nom.
Sulphide, liquid, 40-45% basis, 100%, dms., c.l. works, lb. .10½- —
l.c.l., works.....lb. .15½- —
tanks, dlvd. or frt. alld lb. .09 - —
Sulphocyanide, (tech. (see Ammonium thiocyanate)
Thiocyanate tech., bbls., c.l., works lb. .13 —
l.c.l., works.....lb. .16 - .19



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Ammonium Thioglycollate—Bismuth-Ammonium Citrate

Ammonium thioglycollate, commercial, 100% basis, cbys lb. 1.40 - 1.65
highly purified, same basis lb. 1.70 - 2.25
Thiosulphate, cryst., jars, works lb. .32 - —
Amphetamine citrate, dextro, bots. lb.36.00 - —
dextro-laevo, dms lb 6.50 - —
Hydrochloride, dextro, dibasic, bots lb.36.00 - —
monobasic, bots lb.34.00 - —
dextro-laevo, dms lb 6.50 - —
Phosphate, dextro, dibasic, bots lb.36.00 - —
dextro-laevo, dibasic, dms lb 6.50 - —
monobasic, dms lb 6.00 - —
Sulphate, dextro, dms lb.36.00 - —
dextro-laevo, dms lb. 6.50 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .19½ - —
t.c.l., dlvd lb. .20½ - —
tanks, dlvd lb. .18 - —
ex pentane dms., c.l., frt. alld. E. of Miss. R lb. .16 - —
t.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .76 - .81
Anethol, NF, cns., dms lb. 1.00 - 1.25
Angelica root, dom., bls lb. .65 - .70
imported, bls lb. .70 - .75
Angostura bark, bls lb. .44 - .49
Aniline oil, dms., c.l., works, frt. alld lb. .15 - —
t.c.l., works, frt. alld lb. .16 - —
tanks, works, frt. alld lb. .14 - —
Salt, dms., works lb. .26 - —

Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .14¾- .15
Cyprus, bgs lo. .20 .20½
Czech, bgs lb. .14 - .14½
Mexican, bgs lb. .15¼- .15¾
Syrian, bgs lb. .15 Nom.
Turkish, bgs lb. .14½- .15
Anisic aldehyde, bots., dms lb. 2.05 - 2.65
Annatto powder, dms lb. .24 - .25
Seed, bgs lb. .16 - .19
Anthracene, 80-85%, bbls., works lb. 1.10 - —
90%, bbls., works lb. 1.25 - —
Anthraquinone, 99.5%, bbls lb .85 —
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines lb. .24½- —
cases, c.l., mines lb. .25 - —
Oxide, bgs., c.l., frt. alld lb. .21¾- —
t.c.l., frt. alld lb. .22¾- —
Trichloride, pails, works lb. .35 - —
solution, cbys. lb .29 .30
Antimony salt, 65% bgs., c.l., divd. E. of Miss lb. No stocks.
Sulphide, 62-64%, bgs., frt. alld., divd lb. .20 - .23
Antimony potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms lb 2.35 - 2.45
Apomorphine, USP, bots. oz.23.20 -23.70
Archil extract, bbls lb. No stocks.
Areca nuts, powd., bbls lb. .15 - .16
Arecoline hydrobromide, NF bots. oz 5.00 - 5.75
Arginine hydrochloride, laevo, kilo.70.00 -80.00
Argols, min. 50%, bgs., shipment ports, per 100 kilos (100% purity) 15.00 -16.25
Arnica, flowers, bls lb. .45 - .75
root, bls lb. 1.45 - —
Arrowroot, powd., bgs lb. .12 - .15

Arsenic, metal, lump, bbls., prompt shipt lb. .80 - .90
Sulphide, yellow, bbls lb. No stocks.
Trioxide, USP, dms lb. .40 - .42
White, powd., bbls., c.l., dlvd lb. .05½- —
t.c.l., dlvd lb. .06¼- .06¾
Asafetida, cs lb. .33 - .35
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.940.00 -960.00
No. 2, c.l. (20 tons), mines ton.485.00 -492.00
Run-of-mine, c.l. (20 tons), mines ton.400.00 - —
fiber, 3K, c.l. (20 tons), mines ton.313.00 - —
3R, c.l. (20 tons), mines ton.267.00 - —
3T, c.l. (20 tons), mines ton.249.50 - —
3Z, c.l. (20 tons), mines ton.231.00 - —
4K, c.l. (20 tons), mines ton.124.00 - —
4M, c.l. (20 tons), mines ton.124.00 - —
4T, c.l. (20 tons), mines ton.111.50 -141.00
4Z, c.l. (20 tons), mines ton.111.50 - —
5D, c.l. (20 tons), mines ton.88.00 - —
5K, c.l. (20 tons), mines ton.88.00 - —
5M, c.l. (20 tons), mines ton.84.00 - —
5R, c.l. (20 tons), mines ton.78.50 -79.00
6D, c.l. (30 tons), mines ton.58.00 -59.00
7D, c.l. 30 tons), mines ton 52.00 -52.50
7F, c.l. (30 tons), mines ton.49.00 -49.50
7H, c.l. (30 tons), mines ton.41.50 -42.00
7K, c.l. (30 tons), mines ton.35.00 -35.50
7M, c.l. (30 tons), mines ton.30.50 -31.00
7R, c.l. (30 tons), mines ton.29.50 -30.00
7T, c.l. (30 tons), mines ton.28.00 -28.50
7RF, c.l. (30 tons), mines ton.30.50 -31.00
7TF, c.l (30 tons), mines ton.30.50 -31.00
8S, c.l. (30 tons), mines ton.19.00 -27.00

Prices quoted above are in U. S. funds. Add $4 per ton for t.c.l. lots.

Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal. .09½- .10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b Colo. mines ton 36.50 - —
seconds, 300°-390° F fusing point, not uniform, bgs., Colo. mines ton.31.00 - —
fet. bgs., ton lots, gross weights, Colo mines ton.36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form bgs., works lb. .05¾- .15
Steam-rfd., less than 80 penetration,, tanks, tankwagon, refinery ton.22.00 - —
80-300 penetration, tanks, tank wagon, refinery ton.21.00 —
Atropine, USP, bots oz.10.50 -11.50
Sulphate, USP, bots oz. 6.25 - 7.00

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.88 - —
Balm of Gilead buds, dried bgs lb 1.40 - 1.50
Barbasco root (see Cube root).
Barberry, root bark, bgs lb. .60 - .85
tree bark, bgs lb .53 - .55
Barbital, USP, dms lb. 4.50 - —
Sodium, USP, dms lb. 4.77 - —
Barium carbonate, precip., bgs., 10 tons and up, works ton.72.50 -80.00
smaller lots, works ton.82.50 -90.00
Chlorate, kgs., works lb. .25½- .31
Chloride, NF, cryst., dms lb .17 - .18
tech., bgs., c.l., works, frt. equald. ton.90.00 - —
t.c.l., works ton.100.00 - —
Chromate, bgs., frt. equald lb. .31½- .32
Dioxide, dms., c.l., works lb. .12 - —
t.c.l., works lb. .12 - —
Hydrate, crystals, bgs lb. .09 - .09½
Hydroxide, anhyd., bbls., works, lb. .19 - —
Iodide, bots. lb 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .11½- —
t.c.l. works lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
t.c.l., works lb. .11½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l lb. .34 - —
smaller lots lb. .35 - .36
Sulphate, tech. (see Barytes and Blanc fixe)
X-ray, bbls. lb. .13 - .13½
Sulphide, dms., c.l., works ton.55.00 - —
t.c.l., works ton.70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld lb. .20 - —
t.c.l., works lb. .21 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l. St. Louis ton.35.05 - —
t.c.l., same basis ton.36.85 - —
ex whse., N. Y. ton.49.65 - —
Southern off-color, bgs., mines ton.19.00 - —
95 75%, bgs., mines ton.20.00 - —
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .60 - 1.10
Root, bls lb. .50 - .52
Bauxite bulk, mines ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works.ton.12.00 - —
Benzaldehyde, NF, dms lb. .68 - —
tech., cbys., dms lb. .45 - —
Benzal chloride, cbys., works lb. .19 - .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
12% gamma, tech., bgs., dms., c.l., works lb. .18 - .21
t.c.l., works lb. .20½- .23¼
6% gamma, 50% dust, dry, distributors, dms., c.l., divd lb. .12 - —
t.c.l., divd lb. .13 - —
wet, distributors, dms., c.l., divd lb. .15 - —
t.c.l., divd lb. .16 - —
Benzidine base, bbls lb. 1.02 - —
Benzocaine, dms lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Lackawanna, N. Y., Sparrows Point, Md. gal. .23 - —
Bethlehem, Pa., Birmingham, Ala., Chicago district, Cleveland district, Dangerfield, Tex., Johnstown, Pa., Minequa, Colo., Philadelphia, Pa.; Pittsburgh district, St. Louis, Mo.; Syracuse, N. Y., Terre Haute, Ind., Woodward, Ala., Wyandotte, Mich., Youngstown, Ohio gal. .22 - —
Benzophenone, dms lb. 1.30 - 1.40
Benzotrichloride, cbys., frt. equald. lb. .18 - .30
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½- .21
t.c.l., same basis lb. .21½- .22
Peroxide, pure, fib. ctns., works. lb. .90 - 1.05
Benzyl acetate, f.f.c., dms lb. .60 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald. lb. .19 - .19½
t.c.l., same basis lb. .20 - .20½
high grade, 2c. higher.
Cinnamate, cns lb. 3.00 - 4.00
Formate, cns lb. 1.70 - 1.85
Propionate, bots lb. 1.35 - 1.50
Salicylate, bots lb. 1.55 - 2.25
Benzylidinacetone, bots lb. 1.85 - 2.70
Benzylisoeugenol, bots lb. 8.90 - 9.00
Berberine, bisulphate, cns lb.35.00 -36.25
Hydrochloride, bots lb.35.00 -36.25
Sulphate, cns lb.35.00 -36.25
Berberis root, bls lb. .35 - .40
Betagammapicoline, dms., c.l., works, lb. .21 - .21½
t.c.l., works lb. .21½- .22
Betamethylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .75 - —
tech., bbls., c.l., works lb. .28½- —
t.c.l., works lb. .30½- —
Benzoate, fib. dms., works lb. 1.70 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Betapicolin, 98%, dms., works lb. .95 - —
Beth root, bls lb .45 - .50
Biotin, cryst. gram.10.00 - —
Bismuth chloride, jars lb. 3.97 - —
Citrate, USP VIII, jars lb. 3.29 - —
Hydroxide, dms lb. 4.20 - —
Metal, bxs., ton lots lb. 2.00 - —
Nitrate, cryst., dms lb. 1.87 - —
Oxychloride, dms. lb. 3.97 - —
Oxide, anhydrous, dms lb. 4.02 - —
Phenolsulphonate, fib. dms lb. 4.70 - —
Subcarbonate, USP, dms lb. 2.80 - —
Subgallate, NF, fib. dms lb. 2.75 - —
Subiodide, fib. dms lb. 4.92 - —
Subnitrate, NF, dms lb. 2.30 - —
Subsalicylate, USP, dms lb. 3.20 - —
Bismuth-ammonium citrate, USP, powd., dms lb. 3.82 - —

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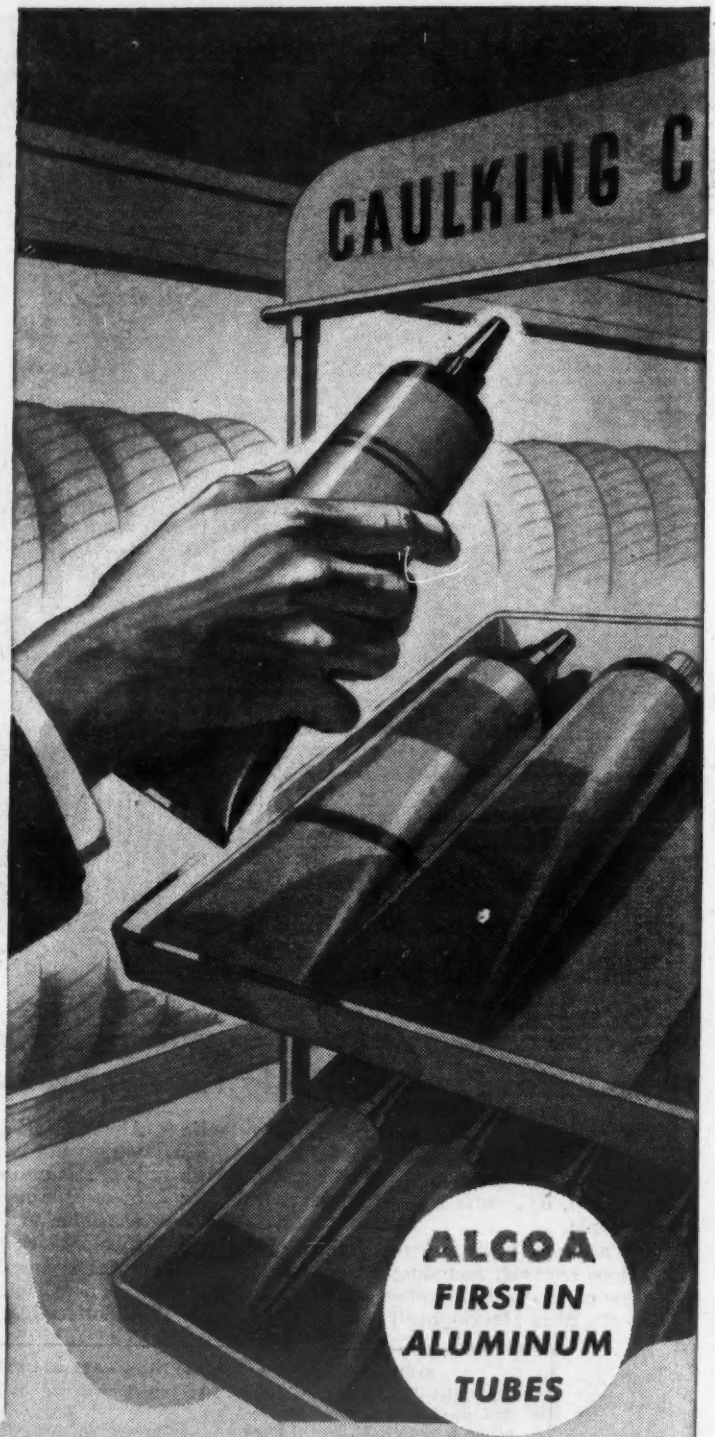


NOZZLE-TYPE TUBE for: greases, lubricants, caulking compounds and adhesives.

BLIND-END TUBE for: buffing and polishing compounds and paint pigments.

CONVENTIONAL TUBE for: many household and industrial items.

SIZES RANGE FROM: ⅞" x 2½" TO 2⅞" x 11¼" (QUART SIZE)

Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l., shipt. point .... lb. .17 - .19
Bone, bgs., bbls., l.c.l., dlvd.... lb. .14½- .22½

Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.

Carbon, channel, beads, bulk, c.l., works lb. .0650- —
bgs., c.l., works lb. .0690- —
l.c.l., dlvd. or whse lb. .117 .1175
uncompressed, regular, bgs., c.l., works lb. .0632- —
bgs., ctns., l.c.l. dlvd or whse lb. 13¾- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns. l.c.l., wase lb. .09½ - —
high modulus, bgs. c.l., works, lb. .05 - —
ctns. l.c.l. whse lb. .08 - —
semi-reinforcing bgs., c.l., works lb. .03½- —
ctns. l.c.l. whse lb. .07½- —
very fine, bgs., c.l., works lb. .0740- —
l.c.l., dlvd., or whse .... lb. .12 - —
Charcoal (see C).
Graphite (see G).
Iron oxide synthetic, bgs., c.l., works lb. .10¾- —
l.c.l. works lb. .11 - —
Lamp, bgs., c.l., works lb. .07 .30
Mineral, bgs., works lb. .0160 .0675
Black ash (see Barium sulphide).
Blackberry root, bls. lb. .10 - .12
bark of root, bls lb. .30 .32
Black dyes (see Dyes).
Black haw, root bark, bls. lb. .65 - .75
Tree bark, bls lb. .28 .30
Black indian hemp root, bls. lb 45 .50
Blanc fixe dry by-product, bgs., c.l., works ton.80.00 - —
l.c.l., works ton.90 00 - —
direct process, bgs., c.l., works ton.85.00 - —
l.c.l., works ton.90.00 - —
N. Y. whse. ton.105.00 - —
bbls., c.l., works ton.90.00 - —
l.c.l., works ton.95.00 - —
N. Y. whse. ton 113.00 - —
pulp, 66⅔% bbls., c.l., works. ton.67.00 - —
l.c.l., same basis ton 73.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.50 - —
l.c.l., works 100 lbs 5.00 - —
Blood, dried, 16-16½% ammo., bgs., unit-ton. 6.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton. 6.25 - —
soluble, bgs., ea lb. .16 - .17½
l.c.l. lb. .17½ - .22
Bloodroot, bls. lb. .35 - .40
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, bbls., litho flushed, same basis lb. 1.05 - —
Celestial, bbls., same basis lb. .15 .16
Chinese, bbls., same basis.... lb. .37 - .42
Cobalt, genuine, bbls. same basis. lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 3.85
80% bbls., same basis lb. 3.00 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis .... lb. .37 - .42
Peacock, fugitive, 100% color strength, same basis lb. .60 - .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
tungstic lb. 4.00 - —
Potash C.P. bbls., same basis lb. .31 - —
Prussian, bbls., same basis... lb. .37 - .42
soluble, bbls., same basis... lb. .37 - .42
Soda, C.P., bronze, bbls., same basis lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .26½
jobbing type, dry, bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls lb. 3.75 - —
Tungstic, bbls lb. 3.75 - —
Violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis .. lb 2.60 2.70
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls. lb. .45 - .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls. lb. .09 - .12
Bone, raw, bulk, Chicago.....ton.75.00 - —
junk, bulk, same basis.....ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works..ton.62.50 - —
Chicago, works.....ton.62.50 - —
steamed, feeding grade, 1% ammon., 60% phos., E. works..ton.58.00 - —
Chicago, works....ton.58.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.62.50 - —
Chicago, works....ton.62.50 - —
Phosphate, defluorinated (see D) precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. lb. .15 - .16
Borage flowers, bls. lb. .40 - .45
Borax, tech, anhydrous, bgs., c.l., works..ton.70.50 - —
ton lots, ex whse. N. Y. or Chi ..ton.115.25 - —
less ton lots, same basis, ton.120.25 - —
bbls., c.l., works.....ton.90.50 - —
ton lots, ex whse, N. Y. or Chi..ton.135.25 - —
less ton lots, same basis, ton.140.25 - —
bulk, c.l., works.....ton.64.00 - —
crystals, 99½%, bgs., c.l., works. ton.61.25 - —
ton lots, ex whse, N. Y. or Chi..ton.106.50 - —
less ton lots, same basis, ton.111.00 - —
bbls., c.l., works.....ton.81.25 - —
ton lots, ex whse, N. Y. or Chi..ton.126.00 - —
less ton lots, same basis, ton.131.00 - —
bulk, c.l., works.....ton.57.25 - —
granular, 99½%, bgs., c.l., works..ton.35.25 - —
ton lots, ex whse, N. Y. or Chi..ton.80.00 - —
less ton lots, same basis, ton.85.00 - —
bbls., c.l., works.....ton.55.25 - —
ton lots, ex whse, N. Y. or Chi..ton.100.00 - —
less ton lots, same basis, ton.105.00 - —
bulk, c.l., works.....ton.31.25 - —

Borax, tech., powdered, 99½%, bgs., c.l., works..ton.40.25 - —
ton lots, ex whse, N. Y. or Chi ton.85.00 - —
less ton lots, same basis, ton.90.00 - —
bbls., c.l., works.....ton.60.25 - —
ton lots, ex whse, N. Y. or Chi ton.105.00 - —
less ton lots, same basis, ton.110.00 - —
bulk, c.l., works..... ton.36.25 - —
Borax packed in kgs. is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 - .21
l.c.l., same basis.....lb. .16 - .23
Borneol, ens. .....lb. 2.25 - 2.50
Bornyl thiocyanoacetate (see (sobornyl) thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine purified cs. c.l. frt. alld. E. of Rockies lb. .21 - —
1,000 lbs., same basis lb. .23 - —
single pkgs. same basis lb. .23 - —
dms., lead-lined, dlvd lb. .21 - —
Bromoform, pharmaceutical grade, bots. lb. 1.52 - 2.50
cbys. lb. 1 42 —
Bromstyrol, bots.....lb. 5.35 - 5.40
Bronze powder, aluminum (see A).
Gold, litho., cans, dms., works.lb. .50 .60
moulding, cans dms., works.lb. .80 1.00
printing ink, cans, dms., works lb. .95 1.10
radiator, cans, dms. works.lb. .60 - .65
Broomtop, bls. lb. .25 .28
Brown, iron, synth., bgs., l.c.l., works lb. .12½- —
Oxide, metallic, bgs., works...lb. .3015- .3040
Sap, crystals, works .....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼ - .15¼
l.c.l., works.....lb. .04½ - .15½
raw, paper bgs., c.l., works. lb. .04½ - .13
l.c.l., works .....lb. .04¾ - .13¼
Umber, burnt, American, c.l., bbls., works lb. .05¼ - .06½
l.c.l., bgs., works..... lb. .05½ - .07½
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y lb. .06¼ - .08¼
l.c.l., works ..... lb. .06½ - .08½
raw, American, bgs., same basis. lb. .04¼ - .06½
Turkey type, bgs., same basis. lb. .06½ - .06¾
Vandyke, bbls., works ..... lb. .11 - —
Brucine, ens., 100 ozs ..... oz. .35 - —
Sulphate, NF, ens., 100 ozs.... oz. .30 - —
Bryonia root, bls ..... lb. .29 - .35
Buchu leaves, bls ..... lb. .60 - .65
Buckthorn bark, bls ..... lb. .14 - .18
cut and sifted, bls..... lb. .23 - .25
Berries, bgs ..... lb. .80 - .90
Burdock, root, bls ..... lb. .20 - .26
Butadiene, cyls, refinery..... lb. .19 - —
tanks, same basis ..... lb. .09½- —
Butane, indust., tanks, group 3 gal. .03 - —
Butternut bark, bls ..... lb. .22 - .25
Butyl acetate, fermentation, normal, ill., ind., prod., dms., c.l., works, frt. alld lb. .13½- —
l.c.l. same basis .... lb. .14½- —
tanks, same basis lb. .12 - —
tankwagons, same basis. lb. .12½- —

Black, Acetylene—Cadmium Metal

Butyl acetate, fermentation, other production, dms., c.l., same basis lb. .13½- —
l.c.l., same basis .... lb. .14½- —
tanks, same basis .... lb. .12 - —
synthetic, normal, dms., c.l., same basis lb. .13½- —
l.c.l., same basis..... lb. .14½- —
tanks, same basis ..... lb. .12 - —
secondary, dms., c.l., same basis lb. .11 - —
l.c.l., same basis ..... lb. .11½- —
tanks, same basis ..... lb. .09½- —
Alcohol (see Alcohol butyl).
Aldehyde, dms., c.l., works.... lb. .17½- —
l.c.l., works ..... lb. .18 - —
tanks, works ..... lb .16 - —
Ether (see Ether, butyl).
Lactate, dms. c.l. frt. alld. E. of Rockies lb. .42½- —
l.c.l., same basis..... lb. .43½- —
tanks, same basis ..... lb. .41 - —
Laurate, dms., works..... lb. .42 - —
Methacrylate, normal, dms., less than truckload, works lb. .60 - —
Oleate, refd., dms. l.c.l. works lb. 52 - —
Phenylacetate, dms ..... lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Stearate, dms. c.l. frt. alld. E. of Rockies lb. .27 - —
l.c.l., same basis..... lb. .28½- —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars ..... lb. 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd lb. 2.00 - —
patent shapes, cs., dlvd lb 2.15 - —

When It's Hydrogenation, Check First... With HOOKER SPECIALISTS

As specialists in hydrogenation work, Hooker offers a long list of advantages to its customers that assure quality products at an economical figure. In capsule form we outline below some of the highlights of Hooker facilities and services.

High Purity Hydrogen

● The famous Hooker S Cell produces high purity hydrogen as a co-product of Chlorine and Caustic Soda in quantities more than ample for your processing needs.

High Pressure Equipment

● In its Niagara Falls plant Hooker handles quantities from a drum to a tank car at pressures from 150 to 2500 PSI and at temperatures up to 250°C.

Low Pressure Work

● The Hooker plant in Tacoma processes large volumes of inedible oils and fats at pressures up to 150 PSI at temperatures up to 200°C.

Custom Hydrogenation

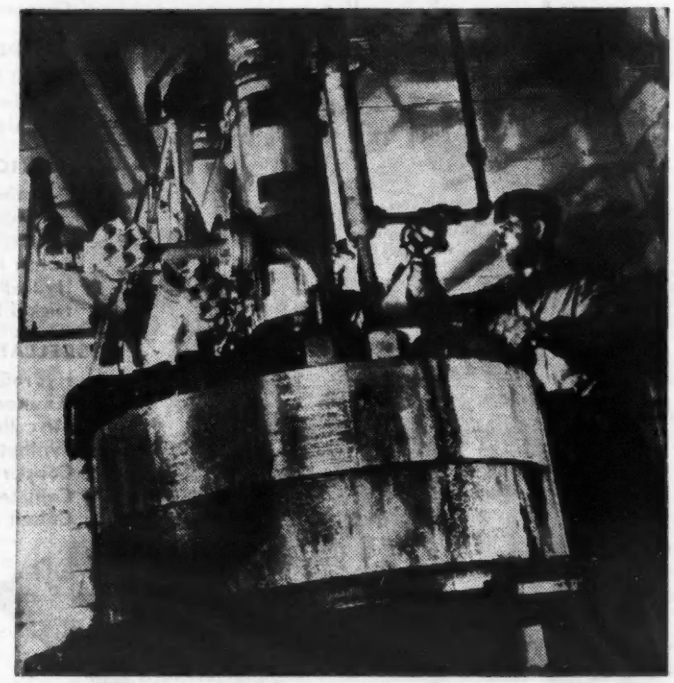
● Hooker facilities and experience are available to hydrogenate compounds to customer's specifications on a conversion basis.

Research Facilities

● The many years of experience of our ample technical staff is available to help you solve your hydrogenation problem.

Experimental Equipment

● Laboratory autoclaves enable us to evaluate processing factors to ascertain yield and operating condition before undertaking commercial size reductions.



Bulletin No. 8 describes Hooker Hydrogenation services in detail, outlines our custom hydrogenation procedure and gives examples of typical hydrogenation. Your copy is available on request on your business letterhead.

HYDROGENATED HOOKER PRODUCTS

Hooker produces such products as: CYCLOHEXANOL • PIPERIDINE METHYL CYCLOHEXANOL
Technical data sheets describing these products available on request

From the Salt of the Earth

HOOKER ELECTROCHEMICAL COMPANY

1 FORTY-SEVENTH ST., NIAGARA FALLS, N. Y.
NEW YORK, N. Y. • WILMINGTON, CALIF. • TACOMA, WASH.

HOOKER CHEMICALS ®

10-816

SODIUM SULFIDE • SODIUM SULFHYDRATE • SODIUM BENZOATE • CAUSTIC SODA • MURIATIC ACID • PARADICHLOROBENZENE • CHLORINE

Cadmium Stearate—Cellulose, Acetate-Butyrate

Cadmium, stearate, 50-lb. ctns., l.c.l., f.o.b., N.Y., frt. equald lb. 1.25 - —
Sulphide (see Yellow)
Caffeine, natural, USP, cryst., dms., 100 lbs. or more lb. 4.75 - —
anhydrous, dms., 100 lbs. or more lb 5.00 - —
Synthetic, USP, cryst., dms., 100 lbs. or more lb. 3.80 - —
anhydrous, dms. 100 lbs. or more lb 4.00 - —
Citrated USP dms. 100 lbs. or more lb 2.80 —
Hydrobromide, bots. lb. 6.70 Nom.
Calabar beans, bgs., futures lb 65 .66
Calamine, USP, dms lb .27 .29
Calamus root, dom., bgs lb. .27 .30
imported, bleached, bls lb. .70 Nom.
peeled, bls lb .30 .31
Calciferol, cryst., vials, 250 grams or more, works gram. 1.90 - —
25 to 249 grams, works gram. 2.10 - —
1 to 24 grams, works gram. 2.30 - —
in edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 s.u. units, works unit. .05¼- —
less than 1,000 s.u. units, works unit. .05¾- —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 4.00
Arsenate, dealers, dms., c.l., whse. works, frt. alld. on 56 lbs. or over lb. .09½- —
l.c.l., same basis lb. .10½- .11¼
Bromide, NF, jars lb. .75 - .85
Carbide, standard generator size, dms., c.l., dlvd ton.121.00 —
Calcium, carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.22.00 —
l.c.l., same basis ton.37.00 -67.00
liquor, works, basis 40%, tank-cars ton. 9.00 - —
pellets, bgs., c.l. works ton29.00 - —
solid, 73-75%, dms., c.l., works, same basis ton.20.00 - —
l.c.l., works, same basis ton.30.00 -59.00
USP gran. bbls lb. .30 —
Chromate, bgs., frt. equald lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies lb. .30 - .50
f lb. .30 - .50
Gluconate, AA, bbls., dms lb. .65 - .72
USP, bbls., dms lb. .58 - .65
Glycerophosphate, NF, fib. dms. lb. 1.80 - 1.95
Hydride, dms., works lb. .90 —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm.24.00 -28.50
cns., cased (45 lbs.) same basis. cs.19.75 -21.50
Hypophosphite, ton lots and less, dms lb. .80 - .83
Iodide, jars lb. 4.10 - 4.12
Lactate, USP, dms., 10,000 lbs. or more, works lb. .37 - —
smaller quantities, works lb. .38 - .44
Mandelate, USP, dms., works lb. 2.10 2.25
Naphthenate, liq., 4% Ca, dms., frt. alld lb. .23¾ —
Nitrate, tech., works lb. .07 .09
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07½- —
Phenolsulphonate, dms lb. .64 .65
Calcium, phosphate, dibasic, USP, bgs., c.l. 100 lbs. 6.75 - —
l.c.l. 100 lbs. 7.10 - 7.45
feed grade, bgs., 15 tons, wks. ton.105.00 - —
one ton or over, works ton.115.00 - —
less than one ton, works ton.125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾- —
smaller lots, same basis lb. .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 6.95 - 7.30
Phytate, bgs., works lb. .28 - —
Resinate, precip., dms., frt. alld., works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
Stearate, precip., ctns., c.l., works lb. .32 - —
l.c.l., works lb. .33 - .34
Sulphate (see Gypsum).
Sulphide, 76%, ngs., c.l., works ton.45.00 - —
70%, bgs., c.l., works ton.50.00 - —
luminous, tins, works lb 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 1.50
fine particle size, dms., works lb. 1.50 1.75
Calendula flowers, bls lb. .45 - .60
Calomel, USP, fine powd. dms. lb 1.97 - 1.98
reg. powd., dms lb 1.82 - —
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 2.75 2.85
natural, powd., 100-lb. lots lb. .45 - .55
tablets, 1-oz., ½-oz., cs lb. .85 - .93
synthetic, tech., bbls., 2,000 lbs. or more, whse lb. .42 - —
10 bbls. (1,500 lbs.) lb. 44¼- —
smaller lots lb. .45 .55
Camphor, synthetic, USP, gran., powd., bbls., 2,000-lb. lots lb. .45 - —
1,000-lb. lots lb. .46 - —
smaller lots lb. .47 - —
USP, tablets, tins, 2,000-lb. lots lb. .73 - —
1,000-lb. lots lb. .74 - —
smaller lots lb. .75 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls lb. .25 - .30
Cantharides, Chinese, cs lb. 1.00 - 1.10
powd., bxs. lb. 1.25 - 1.35
Russian, bgs. lb. 3.85 - 3.90
powd., bxs. lb. 4.00 - 4.10
Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper lb. 4.00 - 5.25
from African pepper lb. 5.85 - 6.25
Caramel coloring, NF, bbls. gal. 1.05 - 1.20
Caraway seed, Dutch, bgs lb. .13½- .14
Carbazole, 97% steel dms., ton lots, works lb. 1.55 - —
bbls., same basis lb. 1.65 - 1.85
Carbinol, butyl, secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld. lb. .13 - —
l.c.l., same basis lb. .13¼- —
tanks, same basis lb. .11½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼- —
l.c.l., same basis lb. .07¼- —
5-gal. dms., c.l., same basis lb. .09½- —
l.c.l., same basis lb. .08¾- —
tankcars, same basis lb. .0440- —
Dioxide, cyls lb. .06 .08
Tetrachloride, CP, dms., works lb. .10¾- —
tech., dms., E. of Rockies, c.l., frt. alld lb. .08 - —
l.c.l., same basis lb. .08¾- —
tankcars, same basis lb. .07¼- —
dms., W. of Rockies, c.l., f.o.b. stock points lb. .08¾- —
l.c.l., frt. alld. lb. .09¼- —
tankcars, same basis lb. .08 - —
Nf. cbys lb. .17 - .19
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb. 4.10 - 4.75
Cardamom fruit, bleached, bold, cs. lb. 3.30 - 3.45
medium, cs lb. 2.95 - 3.40
Coorges, cs. lb. 2.20 - 2.25
decorticated, Alleppey, cs lb. 3.45 - 3.50
Ceylon, cs. lb. 3.30 - 3.35
Guatemala, cs lb. 3.40 - 3.45
green, Alleppey, bgs., afloat lb. 2.12 - 2.15
Ceylon, bgs. lb. 2.12 - 2.15
seed (See Cardamom fruit, decorticated)
Carmine No 40, NF, bulk, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram quantities gm. 5.00 - —
technical 1,350,000 A units per gram gm. .67½- —
tins, works gm. .40 - —
dry powder, 3,330 A units per gram lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. cn cn. 1.00 - —
in vegetable oil, 166,666 A units, per gram lb. 25.24 - —
50,000 A units per gram lb. 7.86 - —
8,800 A units, per gram, tins, works milli. units. .18 - —
dms., works milli. units. .16 - —
3,330 A units per gram lb. .85 —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .24 - —
Carvol, bots. lb. 8.75 - 9.00
Cascara sagrada bark, bulk lb. .27 - .30
Case-hardening mixture, 30% gran., dms., l.c.l., works lb. .10½- —
Casein, dom., acid-precip., standard, bgs., 10,000 lbs. or more, ship't point lb. .22½- .23½
premium, bgs., 10,000 lbs. or more, ship't point lb. .24 - .27
rennet-precip., bgs., 10,000 lbs. or more, ex dock lb. .20¾- .22½
imp. acid-precip., ground, 100 bgs. or more, ex dock lb. .20¼- .20½
Cashew nut liq., treated, dms., c.l., f.o.b Newark, N. J. lb. .21 —
ton lots, same basis lb. .22½- —
dm lo's, same basis lb. .24¼- —
Cassia bark, Batavia, tongstick, bls., lb. .23 - .25
broken, bls. lb. .15 - .16
short stick, bls lb. .23 - .24
China, Canton, Kwangsi, rolls, select, cs lb. .12 - .12½
broken, bls lb. .10½- .11
Honan, rolls, scraped, bls lb. .14 - .14½
broken, bls lb. .13½- .14
unscraped, bls lb. .13¾- .14¼
broken, bls lb. .13½- .14
Yunnan, rolls, scraped, bls lb. .14 - .14½
broken, bls lb. .13½- .14
unscraped, bls lb. .13¾- .14¼
broken, bls lb. .13½- .14
Saigon, broken, bls lb. .25 - .26
medium, bls lb. .34 - .35
thin, bls. lb. .41 - .42
Buds, China, bgs lb. .46 - .47
Cassia fistula, bskts lb. .30 - .35
Castor beans, bgs., Brazilian ports long ton.125.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton.30.50 - —
Castoreum, natural, cns lb. 7.00 -30.00
artificial, cns. lb. 9.00 - 9.25
Catechol, CP, cryst, fib. dms., works lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip, bls. lb. .60 - .65
Celery seed, French, bgs lb. .26 - .26½
Indian, bgs lb. .24 - .24½
afloat, bgs. lb. .24 - .24½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .33 - .36
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld. lb. .40 - —
l.c.l., same basis lb. .45 - .51
regular, black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l. same basis lb. .44 - .49
Acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .48 - —
less than 500 lbs., works, lb. .49 - —

HARSHAW

Harshaw industrial chemicals FOR EXPORT

CERAMIC
Ceramic Colors
Uverite (Opacifier)
Antimony Oxide
Tin Oxide
Chrome Oxide Green
Cadmium Sulfide
Porcelain Enamel Frits

PAINT, VARNISH, AND PLASTIC
Driers And Other Metallic Soaps
Cadmium Lithopones
Antimony Oxide
Chrome Oxide

ELECTROPLATING
Nickel Salts:
Sulfate, Chloride, and Carbonate
Cadmium Oxide

CATALYTIC PROCESSING
Aluminum Chloride Anhydrous
Antimony Trichloride
Boron Trifluoride
Boron Fluoride Etherate
Hydrofluoric Acid
Nickel Formate

MISCELLANEOUS
Hydrofluoric Acid
Ammonium Bifluoride
Miscellaneous Fluorides
Synthetic Optical Crystals
Copper Naphthenate
Copper Oxychloride Sulfate
Cobalt Sulfate And Carbonate

WRITE FOR CATALOG
This 32 page book alphabetically lists all chemicals available. Relates the history of the Company and describes Harshaw's major activities.

THE HARSHAW CHEMICAL COMPANY
CLEVELAND 6, OHIO, U. S. A.
CABLE ADDRESS: HARSHAW • CLEVELAND

Cellulose, acetate-butyrate, flake, 26.5% butyryl content, ctns., 500 lbs. and over, works lb. .50 - —
less than 500 lbs., works lb. .51 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .50 - .53
less than 500 lbs., works lb. .51 - .54
48% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .56 - .61
regular black, dms., l.c.l., same basis lb. .44 - .48
variegations, dms., c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt. allwd. on 100 lbs. or more lb. .40 - —
Cerium hydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb. .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb. 2.25 - —
kgs., 100-lb lots, works lb. 1.85 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02⅞- .05½
l.c.l., ex whse lb. .04 - —
paint, bgs., c.l., works ton.40.00 - —
papermakers, ngs., c.l., works ton.32.50 -40.00
rubber makers, bgs., c.l., works ton.30.00 - —
Chamomile flowers, Hungarian, cs lb. .48 - .55
Roman, bls lb. .90 - 1.00
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bgs., c.l., works ton.51.80 - —
bulk, c.l., works ton.49.80 - —
granular, bgs., incl., c.l., works ton.46.80 -59.00
lump, bgs., extra, returnable, c.l., works ton.41.80 -45.50
bulk, c.l., works ton.38.80 -43.50
Pinewood, gran., powd., ngs., c.l., works, South ton.30.00 -40.00
l.c.l., works ton.40.00 -50.00
lump bgs., c.l., works, South ton.40.00 - —
l.c.l., works, South ton.40.00 -50.00
bulk, c.l., works, South ton.30.00 - —
Willow, powd., bbls lb. .06 .07
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0415- —
l.c.l., works lb. .0440- .0450
tanks, works lb. .0345- —
powd., 60% tannin, bgs., extra, c.l., works lb. .09 - —
l.c.l., works lb. .0970- .1055
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l. works ton.12.50 -13.00
l.c.l., works ton.13.50- 14.00
bulk, c.l., works, ton 9.50 -10.00
200 mesh, bgs., c.l., works ton.10.00 -12.00
l.c.l., works ton.11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh bulk, c.l., works ton.13.00 - —
paper bgs., c.l., works ton.16.00 - —
imported, white lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton.19.00 -40.00
powd., bgs., c.l., ex dock net ton.35.00 -45.00
l.c.l., ex whse net ton.45.00 -60.00
Chloral, tech., 94% min., dms., l.c.l., works lb. .42 - —
Hydrate, USP, jars lb. 1.05 - 1.10
Chloramine T, NF bbls., works lb. .75 - 1.00
Chloroanisidin, dms., frt. equald lb. 1.25 - —
Chlordane, agricultural, dms., pails, c.l., works lb. .65 - —
l.c.l., works lb. .70 - .75
refined, dms., c.l., works lb. .75 - —
l.c.l., works lb. .80 - .85
Chlorinated paraffin, dms., works lb. .12¼- .13½
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
Chlorine, liquid, cyls., c.l., works lb. .08 - .12
l.c.l., stock points lb. .09 - .16
tanks, single units, works, frt. equald 100 lbs. 2.40 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 2.90 - —
2 cars, same basis 100 lbs. 3.50 - —
1 car, same basis 100 lbs. 4.10 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .16 - —
USP, dms. lb. .30 - .33
Chloro(4)-2-Toluidine, bbls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots. lb. 3.75 - 4.25
Chloropicrin, com'l, bots lb. 1.40 - —
cyls., 180-lbs., frt. alld lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.13 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
5-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline bitartrate, fib. dms., frt. adjusted lb. 2.30 - 2.55
Chloride, fib. dms., same basis lb. 2.30 - 2.55
Dihydrogen citrate fib. dms., same basis lb. 2.30 - 2.55
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7½%, bbls., works lb. .08 - —
cbys. lb. .09¾- —
8½%, bbls., works lb. .08½- —
cbys. lb. .10½- —
Fluoride, bbls., works lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls lb. .49 - —
Trioxide, USP, bots lb. .82 - —
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots lb. 7.65 - 9.29
Cinchona bark, NF, red, quill, 20-inch, cs lb. 1.26 Nom.
broken, bgs lb. .40 - .45
yellow, broken, bgs lb. .32 - .35
Cinchonidine, cryst., cns., 100 ozs. oz. .71 - .72
Sulphate, cns., 100 ozs oz. .37 - .40½
Cinchonine, cryst., cns., 100 ozs. oz. .57 - .65
Sulphate, NF, cns., 100 ozs oz. .30½- .42
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
Standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys., cns., dms lb. .90 - 1.20
Cinnamon, Ceylon, No. 2, bls lb. .18 - .18½
Citral, bots., cns lb. 5.50 - 5.75
Citronellal, bots., dms lb 2.50 - 2.75
Citronellol, bots., dms lb. 2.90 - 3.00
Civet, bots oz. 4.00 - 5.00
artificial, bots lb.15.00 - —
Clove, Madagascar, bls lb. .22 - .22½
futures, bls lb. No offers
Zanzibar, bls. lb. .22½- .23
afloat lb. .22 - .22¼
Clover tops, red, dom., bgs lb. .55 Nom.
imported, bgs. lb. No stocks

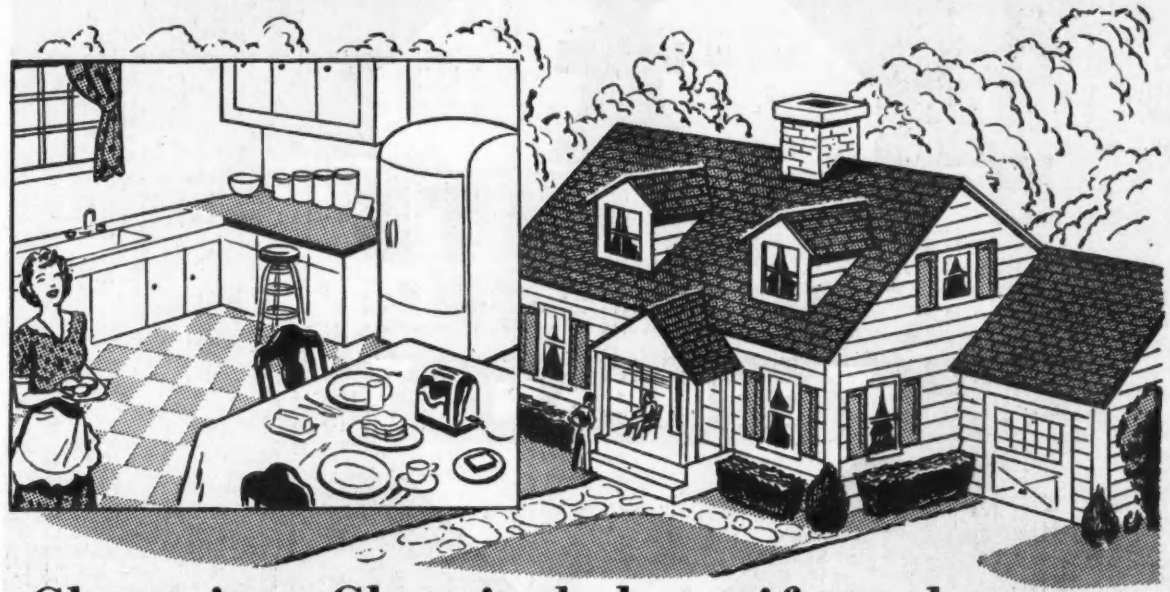
CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld. lb. .57 - —
smaller lots, same basis lb. .59 - .69
low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld. lb. .54 - —
smaller lots, same basis lb. .56 - .66
tech., low and medium vis., dms., c.l., works, frt. alld lb. .41 - —
l.c.l., works lb. .43 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, gal. .23½- —
l.c.l., ex-whse gal. .25 - —
tanks, ex-whse gal. .13½- —
refd., resale, bbls., c.l., ex-whse. gal. .24½- —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse gal. .14½- —
Cobalt acetate, bbls., dlvd lb. .93½- —
Carbonate, powd., bgs., works lb. 1.65 - —
feed grade, 49½% Co, kgs lb. 1.65 - —
Chloride, kgs., works lb. .91¼- —
feed grade, 24.5% Co, kgs lb. .91¼- —
Hydrate, bbls. lb. 2.13 - —
feed grade, 62% Co, kgs lb. 2.13 - —
Linoleate, paste, 6% Co, dms. lb. .57 - —
solid, 8½%, Co, dms lb. .66½- —
8% Co, dms lb. .62½- —
Metal, 97-99%, kgs., ex-whs. lb. 1.80 - —
under 100 lbs. ex-whse lb. 1.82 1.87
Naphthenate, liq., 6% Co, dms. lb. .37¼- —
Nitrate, feed grade, 20.4% Co, bbls. lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34%, Co, kgs lb. 1.31¼- —
Resinate, fused, 3% Co, dms lb. .22¾- —
Sulphate, bgs. lb. .68¼- —
feed grade, 21% Co, kgs lb. 1.05 - —
Cobalt-ammonium sulphate 14% Co, kgs lb. .75 - —
Cocaine, USP, cns., 100-oz oz.15.90 - —
Hydrochloride, cns., 100-oz. lots oz.11.75 - —

Cellulose, Acetate-Butyrate, 26.5% Cottonseed Meal

Cochineal, gray, bgs lb. .57 - .63
silver, Teneriffe, bgs lb. .69 - .70
Cocillana bark, bgs lb. .16 - .17
Cocoa butter, bgs lb. .55 - .60
Codeine, NF, cns., 100 ozs oz.13.25 - —
Hydrochloride, cns., 100 ozs oz.11.85 - —
Phosphate, USP cns., 100 ozs oz.10.25 - —
Sulphate, USP cns. 100 ozs oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls lb. .20 - .25
Blue, root, bls lb. .15 - .17
Colchicine, USP, bots., cns oz.79.00 -85.00
Colchicum root, bls lb. .60 - .70
Seed, bgs. lb. 1.90 - 2.00
Collodion, USP, dms lb. .21 - —
Flexible, USP, dms lb. .22½- —
Colocynth, pulp, bls lb. .28 - .30
Colombo root, bls lb. .13 - .15
Coltstoot leaves, bgs lb. .30 - .35
Condurango bark, bgs lb. .20 - .22
Copaiba balsam, cns., dms lb. .64 - .82
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb .29 - .30
Carbonate, 55%, bgs., works lb.19.20 -20.20
Chloride, anhyd., bbls., works lb. .27¼- —
crystals, bbls., works lb. .18¾- .22
Citrate, USP, 5-lb. bots lb. 2.40 - —
Cyanide, tech., bbls lb. .46½- —
Gluconate, dms., cns lb. 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss lb. .26¼- .26¾
Metal, electrolytic, dlvd lb. .20½- —
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¼- —
Nitrate, tech., cryst., bbls., works. lb. .24 - —
Oleate, liquid, 8.5% Cu, bbls lb. .27 - —
solid, 10% Cu, bbls lb. .33 - —
Oxide, black, bbls., works lb. .29 - .35
red, com'l, bbls., works lb. .30 - .35
Oxychloride-sulphate, bgs., frt. alld lb. .24¼ Nom.

Copper quinolate, fib. dms lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .23½- —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 7.60 - —
l.c.l. 100 lbs. 8.60 - —
CP, cryst., gran., dms., works lb. .1335- —
monohydrated, 35%, dms., c.l., works 100 lbs.12.60 - —
tribasic, dealers, bgs., c.l., works, frt. alld lb. .21½- —
l.c.l., works lb. .23 - —
USP, gran., cryst., dms lb. .1335- .26
Copperas, cryst., gran., bgs., c.l., works ton.17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton.20.00 - —
bulk, c.l., works ton.14.00 - —
Copra, c.i.f., Atlantic, Gulf ports ton.190.00 - —
Pacific ports ton.185.00 - —
Coriander seed, Argentine, bgs. lb. .07¼- .07⅛
Italian, bgs lb. .07 Nom.
Moroccan, bgs. lb. .10½- .11
Corn sugar, tanners, crippled, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 5.89 - —
bbls., c.l., same basis 100 lbs. 5.95 - —
Syrup, 42°, bbls., c.l. 100 lbs. 6.17 - —
l.c.l. 100 lbs. 6.32 - —
Cornsilk, bls lb. .15 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, bulk, Memphis ton.64.00 -65.00

Inside and Out...



Chromium Chemicals beautify and protect

"HOME SWEET HOME"

START at the roof which is probably covered by granules of light-fast, fireproof Chrome Oxide Green, then notice the doors, screens and shutters. Chances are these are beautified and protected with Chrome Green paint. Even the lumber which forms the structure itself may have been treated with Chromate to prevent its destruction by rot and termites.

Among the first items to meet the eye upon entering the house are wall paper, floor coverings, draperies and upholstery. All of these, including Dad's leather covered easy chair, are made by processes involving the use of Chromium Chemicals. Then visit the kitchen and bathroom noting how bright, tarnish-proof Chromium Plating enhances the beauty and protects the metal surfaces of plumbing fixtures and electrical appliances.

Mutual's two complete plants supplemented by dealer's warehouse stocks, are geared to serve those industries making supplies for the home builder. The quality of Mutual products and the standard of service rendered in their sale and distribution were never higher than they are today.

Sodium Bichromate
Potassium Bichromate
Chromic Acid
Sodium Chromate
Potassium Chromate

MUTUAL CHEMICAL COMPANY OF AMERICA
270 MADISON AVENUE, NEW YORK 16, NEW YORK
Plants: Baltimore, Md. Jersey City, N. J.

MUTUAL CHEMICAL CO. OF AMERICA — NEW YORK

Mutual
CHROMIUM CHEMICALS

Coumarin—Dimethyl Sulphate

Coumarin, cns., 25-lb. lots.....lb. 2.75 - —
smaller lots.....lb. 2.50 - 2.90
powd., cans.....lb. 3.00 - 3.05
Cramp bark, NF, bls.....lb. .80 Nom.
Craneshill root, bls.....lb. .28 - .30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .27½- —
smaller lots.....lb. .28 - .29
Imported, kgs.....lb. .22 - .24
Creosote, coaltar, crude, tanks, works, frt. equald gal. .14 - .18
refined, dms., c.l., works gal. .36½- .40
l.c.l., same basis.....gal. .37½- .47
tanks, same basis.....gal. .23½- —
solution, 80%, tanks, works.gal. .168 - —
NF, beechwood, bots., cbys....lb. 1.15 - 1.30
hardwood, bots, cbys.....lb .85 - —
Pinewood, dms.....gal. .31 - .33
Carbonate, NF, bots., cbys.....lb. 2.35 - 2.40
Cresols, tech., dry, above 207°C, non-ret. dms., c.l. frt. equald, lb. .1130- —
l.c.l., same basis.....lb. .1160- —
ret. dms., c.l., same basis, lb. .11 - —
l.c.l., same basis....lb. .113 - —
tanks, same basis.....lb. .10 - —
USP, non-ret., dms., c.l., same basis..lb. .1180- —
l.c.l., same basis.....lb. .1210- —
ret. dms., c.l., same basis....lb. .115 - —
l.c.l., same basis.....lb. .118 - —
tanks, same basis.....lb. .1050- —
Crotonaldehyde, 91-93%, dms., c.l works..lb. .16½- —
l.c.l., works.....lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works..100 lbs.13.75 - —
bbls., l.c.l., works.....100 lbs.14.00 - —

Cube root, powd., 5% rotenone, bgs., ton lots, works..lb. .26 - .30
Cubeb berries, AA NF bgs.....lb. .35 - .45
powd., ex.....lb. .44 - .54
Culvers root, bbls.....lb. .50 - .60
Cumene, dms., c.l.....lb. .08 - —
l.c.l.....lb. .09 - —
tanks.....gal. .53 - .56
Cumin seed, Iranian, bgs.....lb. .15¾- .16
Morocco, bgs.....lb. .16½- .17
Syrian, bgs.....lb. .16½- .17
Cutch, extract, 55% tannin, bgs., ex dock lb. .07 - —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk ton.46.50 - —
pulv., 21% N., bgs., same basis, unit-ton. 2.53 - —
Cyclohexane, tech., dms., c.l., works, lb. .10½- .11¼
l.c.l., works.....lb. .11 - .12
tanks, works.....lb. .09¼- .10
Cyclohexanol, tech., dms., c.l., works, lb. .21½- .23
l.c.l., works.....lb. .22 - .26
tanks, works.....lb. .20 - .24
Cyclohexanone, tech., dms., c.l. lb. .26½- .30
l.c.l., works.....lb. .27 - .31
tanks, works.....lb. .25 - .29
Cyclohexylamine, dms., works...lb. .34 - —
Cyclohexylamine, dms., c.l., works, lb. .34 - —
l.c.l., works.....lb. .35 - —
tanks, works.....lb. .33 - —
Cyclopropane, USP, 2 lb. cyls. works, cyl.40.00 - —
6 oz. cyls., works.....cyl.10.50 - —
Hospitals, cyls., 40 gal. lots..gal. .32 - —
100-gal. lots.....gal. .31 - —
200-gal. lots.....gal. .30 - —

D

2, 4-D, bbls., c.l., works, frt. equald, lb. .43 - .48
l.c.l., same basis.....lb. .48 - .60
Isopropyl ester, dms., c.l., works, lb. .54 - —
l.c.l., works.....lb. .59 - .66
Damiana leaves, bls.....lb. .40 - .45
Dandelion root, bls.....lb. .40 - .45
DDD, tech., fine gru., fib. dms., c.l., works lb. .51 - —
l.c.l., works.....lb. .51½- —
lump, fib. dms., c.l., works..lb. .49 - —
l.c.l., works.....lb. .49½- —
DDT, fiber dms., c.l., works, frt. equald..lb. .32 - —
smaller lots, same basis..lb. .33 - .35
Decanol, normal, tech., dms., c.l., dlvd lb. .34½- —
l.c.l., dlvd.....lb. .36½- —
tanks, dlvd.....lb. .32 - —
Deertongue leaves, bls.....lb. .30 - .35
Defluorinated phosphate, 63% b.p.l., paper bgs., works ton 44.15 -55.75
Rock, 14½%P, paper bgs., works..ton.45.00 - —
Degras, common, bbls.....lb. .10½- .12
Neutral, less 2% ffa., bbls....lb. .21 - .23
over 2% ffa., bbls.....lb. .20 - .21
Derris root, 5% rotenone, powd..lb. .42 - —
Desoxyephedrine hydrochloride, dextro, dms..lb.30.00 - —
dextro-laevo, dms.....lb. 7.50 - —
Dextrin, corn, British gum, paper bgs., c.l..100 lbs. 7.40 - —
Chicago.....100 lbs. 6.75 - —
l.c.l.....100 lbs. 7.55 - —
canary, paper bgs., c.l..100 lbs. 7.14 - —
Chicago.....100 lbs. 6.49 - —
l.c.l.....100 lbs. 7.29 - —
dark, paper bgs., c.l....100 lbs. 7.24 - —
Chicago.....100 lbs. 6.59 - —
l.c.l.....100 lbs. 7.39 - —
Dextrin, corn, white, paper bgs, c.l., 100 lbs. 6.99 - —
Chicago.....100 lbs. 6.34 - —
l.c.l.....100 lbs. 7.14 - —
Corn dextrin in cottos bgs. 12c. to 15c. per 100 lbs. higher.
Potato, bgs.....lb. .06½- .09
Tapioca, pure, envelope, bgs..lb. .15 - .16
Dextrose, USP, dms.....lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots.....lb. 6.00 - 6.55
laboratory grade, bots..100 grams. 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Diamyl phthalate, dms., c.l., dlvd. E...lb. .34 - —
l.c.l., dlvd. E.....lb. .35 - —
tanks, dlvd. E.....lb. .32½- —
Dianisidin, dms.....lb. 1.65 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast..ton.50.00 -52.00
California.....ton.38.00 -40.00
l.c.l., ex whse.....ton.60.00 - —
Purified, bgs., c.l., Atl. coast ton.62.00 - —
California.....ton.50.00 - —
l.c.l., ex whse.....ton.90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast...ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast..lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works, lb. .66½- —
l.c.l., works.....lb. .67 - —
tanks, works.....lb. .65 - —
Dibutoxyethyl sebacate, dms., c.l., works..lb. .55½- —
l.c.l. works.....lb. .56 - —
tanks, works.....lb. .54 - —
Dibutyl phthalate, dms., c.l., dlvd.lb. .29 - —
l.c.l., dlvd.....lb. .30 - —
tanks, dlvd.....lb. .27½- —
Sebacate, dms., c.l., works.....lb. .51 - —
l.c.l., works.....lb. .51½- —
tanks, works.....lb. .49½- —
Tartrate, dms., works, frt. alld..lb. .62 - —
Dibutylamine, dms., c.l., frt. alld..lb. .31½- —
l.c.l., frt. alld.....lb. .32½- —
tanks, frt. alld.....lb. .49 - —
Dicapryl pnthalate, dms., c.l., dlvd. lb. .36½- —
l.c.l., dlvd.....lb. .37½- —
tanks, dlvd.....lb. .35 - —
Sebacate, dms., c.l., works.....lb. .54 - —
l.c.l., works.....lb. .55 - —
tanks, works.....lb. .53 - —
Dichloroanilin, dms., works.....lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .047 - —
l.c.l., works.....lb. .055 - —
tanks, works.....lb. .04 - —
Dichlorophenol, dms., c.l., frt. equald..lb. .27 - —
l.c.l., frt. equald.....lb. .28 - —
Dicyclohexylamine, dms., c.l., works lb. .37¼- —
l.c.l., works.....lb. .38 - —
tanks, works.....lb. .36 - —
Dicyclohexylphthalate, fib. dms., c.l., works..lb. .40½- —
l.c.l., same basis.....lb. .41½- —
Diethanolamine, dms., c.l., b.....lb. .25½- —
l.c.l., same basis.....lb. .27½- —
tanks, same basis.....lb. .25 - —
Diethyl carbonate, dms., c.l., frt. alld..lb. .36½- —
l.c.l., same basis.....lb. .37½- —
tanks, same basis.....lb. .35 - —
Malcate, dms., c.l., dlvd.....lb. .45 - —
l.c.l., dlvd.....lb. .49 - .52½
tanks, dlvd.....lb. .43½- —
Oxalate, dms., c.l., frt. alld....lb. .34½- —
l.c.l., same basis.....lb. .35½- —
tanks, same basis.....lb. .33 - —
Phthalate, dms., c.l., dlvd....lb. .23½- —
l.c.l., dlvd.....lb. .24½- —
tanks, dlvd.....lb. .22 - —
Sulphate, dms., c.l., works.....lb. .16 - —
Dietnylaniline, dms., works..lb. .53 - —
Diethyleneglycol, dms., c.l., frt alld. E..lb. .17¼- —
l.c.l., same basis.....lb. .18½- —
tanks, same basis.....lb. .16 - —
Boriborate, dms., l.c.l.....lb. .28 - —
Diethylether, dms., l.c.l., works lb. .44 - —
Monobutylether, dms., c.l., works. lb. .24½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Monobutylether acetate, dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .26½- —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether, acetate, dms., c.l., works..lb. .24 - —
l.c.l., works.....lb. .24½- —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l., works.....lb. .22½- —
tanks, works.....lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .42 - —
l.c.l., works.....lb. .42½- —
tanks, works.....lb. .40 - —
Diethylethanolamine, dms., c.l., works..lb. .61½- —
l.c.l., same basis.....lb. .62½- —
tanks, same basis.....lb. .60 - —
Diethylstilbestrol, USP, bots....kilo.240.00 -320.00
Digitalin, cryst., bots.....gram.12.50 -18.00
powd., bots.....oz.25.00 -30.00
Digitalis leaves, dms.....lb. .85 - 1.25
Digitoxin, USP, bots.....gram. 8.00 - 8.75
Diglycol, laurate, dms.....lb. .30 - .32
Oleate, dms.....lb. .25 - .27
Stearate, dms.....lb. .25 - .26
Dihexyl sebacate, dms., c.l., works, lb. .42½- —
l.c.l., works.....lb. .43 - —
tanks, works.....lb. .41 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials, gram. .60 - —
wholesalers, vials.....gram. .48 - —
Dihydroxydichlorodiphenylmethane, dms..lb. .95 - 1.00
smaller containers.....lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l. dlvd.lb. .14 - —
l.c.l., dlvd.....lb .14½- —
tanks, dlvd.....lb. .12½- —
Di-isobutylene, dms., c.l., works. lb. .07 - —
l.c.l., works.....lb. .07½- —
tanks, works.....lb. .05½- —
Di-isooctyl phtnalate, dms., c.l., dlvd. lb. .37½- —
l.c.l., same basis.....lb. .38½- —
tanks, same basis.....lb. .36 - —
Dillseed, natural, bgs.....lb. .16¼- .11
dewhiskered, bgs.....lb. .12 - .12½
Dimethyl chloroacetal, dms., c.l., works..lb. .53 - —
l.c.l., works.....lb. .55 - —
tanks, works.....lb. .51 - —
Phthalate, dms., c.l., dlvd.....lb. .23½- —
l.c.l., dlvd.....lb. .24½- —
tanks, dlvd.....lb. .22 - —
Sebacate, dms., c.l., works.....lb. .69½- —
l.c.l., works.....lb. .70 - —
tanks, works.....lb. .68 - —
Sulphate, 55-gal. ret., dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
10-gal. ret. dms., works.....lb. .26½ —

THE NAME TO WATCH IN CHEMICALS

ORONITE CHEMICAL COMPANY

Reg. U. S. Pat. Off.

producers of basic chemicals for manufacturers and processors

A major source of supply for—

DETERGENT D-40
DETERGENT SLURRY
DETERGENT ALKANE
POLYBUTENES
CRESYLIC ACIDS

NAPHTHENIC ACIDS
SODIUM SULFONATES
PURIFIED SULFONATE
PHTHALIC ANHYDRIDE
HYDROFORMER CATALYST
GAS ODORANTS

WETTING AGENTS
ORTHO, PARA XYLENE
XYLOL
LUBE OIL ADDITIVES
ALIPHATIC ACID

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38 SANSOME STREET, SAN FRANCISCO 4, CALIF. ▪ 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
STANDARD OIL BLDG., LOS ANGELES 15, CALIF. ▪ 600 S. MICHIGAN AVENUE, CHICAGO 5, ILL.
824 WHITNEY BUILDING, NEW ORLEANS 12, LA.

Dimethylamine, 25%-40%, dms., cl., works, basis 100% lb. .37 .38
t.c.l., works, basis 100% lb. .37½ .38½
tanks, works, basis 100% lb. .35 —
Dimethylaniline, dms., c.l. lb. .23 —
t.c.l. lb. .25 —
tanks lb. .21 —
Dimethylethanolamine, dms., c.l., dlvd lb. 1.43 —
t.c.l., dlvd. lb. 1.45 —
tanks, dlvd. lb. 1.40 —
Dinitroaniline dms. frt equaid lb. .90 —
Dinitrobenzene crude bbls lb. .16 —
Dinitrochlorobenzene, 48° C m.p., dms., c.l lb. .13½ .14½
t.c.l. lb. .14 .15
tanks lb. .13¼ .14¼
Dinitrophenol, bbls lb. .28 .29½
Dinitrotoluene, oily, dms lb. .08½ .09½
refd., dms lb. .19 —
Dinonylnaphthalene c.l., dms., work lb. .13 —
t.c.l., dms. works lb. .14 —
tanks works lb. .12 —
Dioctyl adipate, dms., c.l., works, frt. alld lb. .435 —
t.c.l., same basis lb. .445 —
tanks, same basis lb. .53 —
Phthalate, dms., c.l., frt. alld lb. .37½ —
t.c.l., frt. alld lb. .38½ —
tanks, frt. alld lb. .36 —
Diorthotolyiguanidin dms., ton lots, dlvd lb. .48 —
smaller lots, dlvd lb. .50 —
Dioxan, dms., c.l., frt. alld lb. .25 —
t.c.l., same basis lb. .25½ —
tanks, same basis lb. .23½ —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., t.c.l., works lb. .34 —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 .53
t.c.l., same basis gal. .36 .55
N. Y. whse. gal. .46 —
tanks, works, South gal. .20 —
steam-dist. dms., c.l., works, South gal. .36 —
t.c.l., works, South gal. .46 —
dlvd. N. Y. gal. .52 —
Diphenyl, bbls., c.l., works lb. .15 —
t.c.l., works lb. .16 .20
Oxide, perfume grade, cns., dms. lb. .43 .62
Diphenylamine bbls lb. .26 —
Diphenylguanidin, dms., ton lots lb. .39 —
smaller lots lb. .40 —
Diphenylhydantoin-sodium, USP, dms. lb. 3.25 3.50
Dipropyleneglycol, dms., c.l., frt. alld lb. .14½ —
t.c.l., same basis lb. .15½ —
tanks, same basis lb. .13 —
Dipropyleneglycol methylether, dms., c.l., frt. equaid lb. .18 —
t.c.l., same basis lb. .18½ —
tanks, same basis lb. .16½ —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 —
t.c.l., works lb. .33 —
tanks, works lb. .31 —
Ditertiarybutylparacresol, dms., c.l., works lb. .91 —
t.c.l., works lb. .95 —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton 68.00 —
Divinylbenzene, 18%, dms., c.l., works lb. .25 —
t.c.l., works lb. .26 —
tanks, works lb. .24 —
40%, dms., c.l., works lb. .55 —
t.c.l., works lb. .60 .65
Dodecyltoluene, dms., c.l., works lb. .14 —
t.c.l., works lb. .15 —
tanks, works lb. .13 —
Doggrass root, dom., cut, bls lb. .20 .24
imp., NF, cut, bls lb. .25 .30
Dogwood bark, Jamaica lb. .10 .14
Dragon's blood, drops, cs lb. .45 .47
mass, cs. lb. .90 1.00
reeds, cs lb. 1.75 2.00

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—
Blue, FD&C, No. 1, cns. lb. 17.00 -17.60
No. 2, cns. lb. 17.00 -17.60
Green, FD&C, No. 1, cns. lb. 17.00 -17.60
No. 2, cns. lb. 22.20 -22.85
No. 3, cns lb. 35.25 -35.90
Orange, FD&C, No. 1, cns. lb 3.65 - 3.75
No. 2, cns lb 4.55 - 4.75
Red, FD&C, No. 1, cns. lb 7.55 - 7.85
No. 2, cns. lb. 4.00 - 4.10
No. 3, cns. lb. 22.20 -22.85
No. 4, cns. lb 7.20 - 7.50
No. 32, cns. lb 5.30 - 5.40
Violet, FD&C, No. 1, cns lb. 16.10 - —
Yellow, FD&C, No. 1, cns. lb. 10.50 -11.05
No. 3, cns. lb 3.30 - 3.40
No. 4, cns. lb 3.30 - 3.40
No. 5, cns. lb 4.00 - 4.10
No. 6, cns. lb. 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Black, D&C, No. 1, cns. lb. 10.95 -
Blue, D&C, No. 4, cns lb. 13.55 -
Brown, D&C, No. 1, cns. lb. 16.10 -
Green, D&C, No. 5, cns. lb. 16.10 -
No. 6, cns. lb. 16.10 -
No. 7, cns. lb. 14.80 -
Orange, D&C, No. 3, cns. lb. 10.95 -
No. 4, cns. lb. 20.05 -
No. 5, cns. lb 5.70 -
No. 10, cns. lb. 20.70 -
Red, D&C, No. 8, cns. lb. 3.75 -
No. 8, cns. lb. 3.75 -
No. 10, cns. lb. 3.00 -
No. 11, cns. lb. 2.25 -
No. 12, cns. lb. 3.00 -
No. 17, cns. lb. 10.95 -
No. 18, cns. lb. 24.00 -
No. 19, cns. lb. 20.05 -
No. 21, cns. lb 4.70 -
No. 22, cns. lb. 10.95 -
No. 23, cns. lb. 24.65 -
No. 33, cns lb. 17.45 -
Violet, D&C, No. 2, cns. lb. 16.10 -
Yellow, D&C, No. 7, cns. lb. 10.95 -
No. 8, cns. lb. 10.95 -
No. 10, cns. lb. 13.50 -
No. 11, cns. lb. 13.50 -
No. 22, cns. lb. 9.15 -
No. 33, cns. lb. 14.65 -
No. 37, cns. lb. 13.55 -

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Blue, Ext. D&C, No. 1, cns. lb. 16.10 -
Green, Ext. D&C, No. 1, cns. lb. 16.10 -
Red, Ext. D&C, No. 1, cns. lb. 13.50 -
Yellow, Ext. D&C, No. 1, cns. lb. 10.95 -

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
30 Chrysodine G. lb. .59 -
27 Orange G. lb. .71 -
31 Amido naphthol red G. lb. .59 -
36 Alizarine yellow 2G lb. .76 -
40 Alizarine yellow R lb. .97 -
57 Amido naphthol red 6B lb. .90 -
79 Ponceau R. lb. .68 -
151 Orange II lb. .44 -
165 Red lake C. lb. 1.05 -
179 Azo rubine lb. .95 -
176 Red lake A lb. .80 -
180 Diamond blue 3B lb. .84 -
185 Cochineal red A lb .85 -
202 Chrome blue black R. lb. .62 -
203 Chrome black T. lb. .73 -

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):
208 Sulphon acid blue R lb. .83 -
216 Acid alizarin red B lb. .77 -
234 Resorcin brown lb. .82 -
246 Naphthol blue black lb. .78 -
278 Benzo fast red SBL lb. 2.74 -
289 Sulphon cyanine 5R extra lb. 1.00 -
299 Diamond black F lb. 1.78 -
304 Nerol 2B lb. 1.84 -
326 Benzo fast orange S lb. 1.45 -
332 Bismarck brown R lb. .78 -
365 Chrysophenine lb. 2.14 -
382 Diamine black BH lb. 1.51 -
401 Diamine black BH lb. .58 -
406 Benzo blue 2B conc lb .98 -
419 Diamine fast red F lb 1.05 -
420 Diamine brown M lb .82 -
448 Benzo purpurine 4B lb 1.06 -
518 Diamine sky blue FF lb 1.48 -
561 Trisulphon brown B lb 1.78 -
581 Direct deep black EW extra, lb .81 -
593 Diamine green B lb .60 -
598 Congo brown G lb 1.20 -
620 Sun yellow lb .84 -
639 Xylene light yellow lb 1.77 -
640 Tartrazine lb 1.34 -
655 Auramine lb 1.69 -
657 Malachite green lb 1.93 -
662 Brilliant green lb 2.75 -
667 Brilliant milling green B lb 3.27 -
671 Glaucine lb. 1.54 -
680 Methyl violet B lb .95 -
681 Crystal violet lb. 1.91 -
698 Formyl violet S4B lb. 1.51 -
720 Chrome azurol B lb. 3.60 -
729 Victoria blue B lb. 2.48 - 2.68
737 Wool green S lb. 2.14 -
749 Rhodamine B lb. 3.85 -
814 Chloramine yellow lb. 2.76 -
841 Safranine lb. 2.58 -

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)—
865 Nigrosine WSJ 78 lb. .80 -
922 Methylene blue GXX lb 1.28 -
969 Hydron blue R lb 72 -
976 Sulphur black T extra lb. .28½ -
1027 Alizarin Vi lb .64 -
1034 Alizarin red S lb 2.30 -
1054 Alizarin saphiro B lb 2.59 -
1078 Alizarin cyanine green lb 2.61 -
1085 Alizarin blue black B lb 2.13 -
1096 Indanthrene golden orange G, single paste lb 1.96 -
double paste lb 3.92 -
1099 Indanthrene dark blue BO single paste lb. 1.72 -
1101 Caledon jade green lb 2.32 -
1106 Indanthrene blue RS, double paste lb. 2.52 -
1113 Indanthrene blue GCD, double paste lb. 1.72 -
1150 Indanthrene olive R, single paste lb 1.06 -
1151 Indanthrene brown R, single paste lb. 1.65 -
double paste lb. 3.29 -
1212 Indanthrene red violet RH, single paste lb. 1.54 -
1217 Hellindon orange R, single paste lb 1.57 -
p-4 Acid anthracine brown P G. lb 2.48 -
p-14 Anthracene chromate brown EB lb 1.25 -
p-24 Benzo fast black L lb. 1.94 -
p-80 Diazo brilliant scarlet ROA lb. 2.55 -
p-202 Zambesi black V lb. .97 -
p-244 Celliton scarlet B lb. 1.25 -
p-313 Naphthol AS-SW lb. 2.74 -

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.
Black, blue, No. 850 lb. 73 -
Jet, No. 551 lb. 79 -
Brown, R, conc lb 1.44 -
Orange R, brilliant lb .80 -
Red 4 B, conc lb 1.22 -
Yellow, C lb 1.05 -
FN, conc lb 1.09 -

Dyes, coaltar, for stains, spirit-soluble 100-lb dms. sellers' works.
Auramine, O lb. 1.69 -
Black basic, blue lb 1.08 -
Jet lb 1.08 -
Blue, methylene, 2 B, conc lb. 1.42 -
Brown Bismarck R conc lb 78 -
Chrysodine, R, extra lb .55 -
Y, extra lb .59 -
Fuchsine, conc lb. 2.52 -
Green, malachite, conc lb. 1.92 -
Rhodamine, B lb 3.97 -
Safranine, Y conc lb 2.66 -
Violet, methyl, B lb. 1.01 -

Dyes, coaltar, for stains, water-soluble, 100-lb dms. sellers' works
Black, acid blue B extra lb 76 -
Orange, acid, Y, conc lb. .42 -
Rhodamine, azo R, extra, conc.
Rhodamine, R, extra, conc lb 3.97 -
Scarlet, croceine, MOO lb 1.33 -
Yellow, azo-, conc lb. .82 -
Fast light, 3 G, extra lb 1.80 -
Methanil, conc lb .83 -

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c higher; tins 10c higher

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Company.....
Address.....
City.....State.....

Echinacea Root—Gammapicoline

E

Echinacea root, bls ..... lb. .45 - .55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls ..... lb. 1.08 - 1.12
Chinese, spot, bbls., duty paid lb. .80 - .85
tanners, bbls ..... lb. .06½- .07
Elder flowers, bright, bls ..... lb. .40 - .50
Elecampane root, bls ..... lb. .22 - .25
Elm bark, grinding, bls ..... lb. .30 - .35
powd., bbls., bxs ..... lb. .40 - .45
select, bndls ..... lb. .55 - .60
Emetine hydrochloride USP, bots oz.37.50 -40.00
Ephedra herb, bls ..... lb. .30 - .32
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs oz. .98 - —
nydrous, bots., 100 ozs oz. .92 - —
Hydrochloride, tin, 100 ozs oz. .75 - —
Sulphate, cryst., tins, 100 ozs.oz. .72 - —
powd., tins, 100 ozs oz. .73 - —
Epichlorohydrin, dms., c.l., works lb. .36½- —
l.c.l., works ..... lb. .37 - —
tanks, works ..... lb. .35 - —
Epinephrine, synth., USP, bots., 100 grams gram. .45 - —
Epsom salt, tech., bgs., c.l., works. 100 lbs. 2.15 - —
l.c.l., works ..... 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots ..... 100 lbs. 3.35 - —
Ergot, NF, dms., tin-lined ..... lb. 4.00 - 4.25
Eserine, bots. ..... oz.45.00 -50.00
Salicylate, USP, bots ..... oz.33.00 -34.00
Sulphate, bots ..... oz.36.00 -37.00
Ether, acetate (see Ethyl acetate).
Butyl, dms., c.l., dlvd ..... lb. .30½- —
l.c.l., dlvd ..... lb. .31 - —
tanks, dlvd ..... lb. .29 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works. lb. .26¼- —
l.c.l., same basis ..... lb. .27 - —
tanks, same basis ..... lb. .15 - —
Divinyl, USP, anesthesia, bots., 50 cc, hospitals bot. 1.00 - —
75 cc, hospitals bot. 1.56 - —
Ethyl, absolute, ACS, dms ... lb. .30 - —
anesthesia, USP, nospital, cns. lb. .75 - .90
industrial, USP, dms., c.l., dlvd. lb. .10½- —
l.c.l., same basis ..... lb. .12½- —
tanks, same basis lb. .08½- —
synthetic, dms., incl., dlvd. East. lb. .10½- —
l.c.l., same basis ..... lb. .12½- —
tanks, same basis ..... lb. .08½- —
Isopropyl, dms., c.l., dlvd ..... lb. .06 - —
l.c.l., dlvd ..... lb. .06½- —
tanks, dlvd ..... lb. .04½- —
Nitrous, conc., bots., 100 lbs .. lb. 1.03 1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l. frt. alld. lb. .10½- —
l.c.l., frt. alld ..... lb. .11½- —
tanks, frt. alld ..... lb. .09 - —
95-98%, dms., c.l., frt. alld. lb. .10¾- —
l.c.l. frt. alld ..... lb. .11¾- —
tanks, frt. alld ..... lb. .09¼- —
99%, dms., c.l., frt. alld. lb. .11 - —
l.c.l. frt alld ..... lb. .12 - —
tanks, frt. alld ..... lb. .09¼- —
synthetic, 85-90%, dms., c.l., frt. alld lb. .10½- —
l.c.l., frt. alld ..... lb. .11½- —
tanks, frt. alld ..... lb. .09 - —
Ethyl acetate, synth., 95-98%, c.l., frt. alld. lb. .10¾- —
l.c.l., frt. alld ..... lb. .11¾- —
tanks, frt. alld ..... lb. .09¼- —
99%, dms., c.l., frt. alld. lb. .11 - —
l.c.l., frt. alld ..... lb. .12 - —
tanks, frt. alld ..... lb. .09 - —
Acetoacetate, dms., c.l., dlvd lb. .47½- —
l.c.l., dlvd. ..... lb. .48½- —
tanks, dlvd. ..... lb. .46 - —
Acrylate, dms., c.l., and truckload, works lb. .49 - —
less than truckload, works. lb. .49½- —
tanks, works ..... lb. .48 - —
Benzoate, dms. ..... lb. .70 - .75
Betaethoxypropionate dms. works lb. .70 - —
Bromide, tech., 98%, dms ..... lb. .39 - .41
Butyrate, bots ..... gal. 4.75 - —
cns., works ..... lb. .65 - .70
dms, works ..... lb. .60 - —
Carbamate (see Urethane).
Chloride, tech., tanks, frt. alld, East lb. .13½- —
USP nbls. cyl ..... lb .20 - .22
Cinnamate, cns. ..... lb. 2.25 - 2.30
Formate, dms. ..... lb. .35 - —
Iodide, bots., works ..... lb. 3.88 - 4.27
Lactate, dms., works ..... lb. .41 - —
Methacrylate, dms., c.l and truckload, works lb. .50 - —
less than truckload, works . lb. .50½- .60
Nitrite (see Ether, nitrous).
Oenanthate, dms ..... lb. 1.00 - 2.00
Oleate, dms., l.c.l., works .... lb. .53 - —
Oxalate (see Diethyl oxalate).
Silicate, dist (see Tetraethylorthosilicate).
40% available SiO2, dms. works. lb. .55 - —
Ethylaiphanaphthylamine, dms . lb. .80 - —
Ethylanilin, dms ..... lb. .50 - .60
Ethylbenzene, dms., c.l ..... lb. .14 - —
l.c.l. ..... lb. .15 - —
tanks ..... lb. .13 - —
Ethylcellulose, nb dms., 5,000 lbs., works lb. .52 - —
smaller lots, works lb. .54 - .62
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies lb. .09½- —
W of Rockies lb. .10½- —
l.c.l., works, frt. alld E. of Rockies. lb. .11½- —
W of Rockies lb. .11½- —
tanks, frt. alld., E. Rockies . lb. .08 - —
W of Rockies .... lb. .09 - —
Oxide, cyls., c.l., works .... lb. .23¾- —
l.c.l., works ..... lb. .24¾- —
tanks, frt. alld. East ..... lb. .16¾- —
Trichloride (see Trichloroethane)
Ethylenediamine, dms., c.l., works. lb. .42 - —
l.c.l., works ..... lb. .42½- —
tanks, works ..... lb. .40 - —
Ethyleneglycol dms., c.l., frt alld. E lb. .16 - —
l.c.l., same oasis..... lb. .17 - —
tanks, same oasis ..... lb. .14½- —
Diethylether, dms., l.c.l., works lb. .50 - —
Monobutylether, dms., c.l., works. lb. .20 - —
l.c.l., works ..... lb. .20½- —
tanks, works ..... lb. .18½- —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works ..... lb. .18½- —
tanks, works ..... lb. .16½- —
Monoethylether acetate, dms., c.l., works lb. .16 - —
l.c.l., works ..... lb. .16½- —
tanks, works ..... lb. .14½- —
Monomethylether, dms., c.l., works lb. .15½- —
l.c.l., works ..... lb. .20 - —
tanks, works ..... lb. .18 - —
Monomethylether acetate dms., c.l., works lb. .24½- —
l.c.l., works ..... lb. .25 - —
tanks, works ..... lb. .23 - —
Monostearate, dms. ..... lb. .33 - —
Ethylethanolamines, mixed dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
Ethylmorphine hydrochloride, USP bots oz.11.85 - —
Ethylorthotoluidine, bbls. lb. .80 - —
Ethylvanillin, cns., 3 lbs. or more lb 6.75 - —
smaller lots ..... lb 6.80 - 6.90
Eucalyptol, USP, cns., dms..... lb. 1.25 - 2.05
Eucalyptus leaves, bls ..... lb .10 - .14
Eugenol, prime, USP..... lb. 2.10 - 2.95
Euphorbia, pil., aero., ols ..... lb. .18 - .20

F

Feldspar enamel, 100 mesh, bgs., works ..ton.20.00 -22.00
Glass, 20 mesh, bulk, tons, works. ton.11.75 -12.50
Pottery, bgs., ton lots, works. .ton.20.00 -22.00
bulk, c.l., works ..... ton.18.00 -20.00
Fennel seed, Czech., dark, bgs. lb. .11 - .11½
French, bgs. ..... lb. .11 - .11½
Indian, bgs ..... lb. .12 - .12½
Fenugreek, domestic, bgs ..... lb. No stocks.
Indian, bgs ..... lb. .11 - .11½
Moroccan, bgs ..... lb. .06¾- .07
Syrian, bgs. ..... lb. .06½- .07
Ferric-ammonium citrate (see iron-ammonium citrate)
Ferric cacodylate (see iron cacodylate).
Ferric glycerophosphate (see iron-glycerophosphate).
Ferric hypophosphite (see Iron hypophosphite).
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works. lb. .11½- —
water-white, cs., works ..... lb. .13½- —
Fir balsam, Canada, cns ..... gal.32.50 -33.00
Oregon, bbls. ..... gal. 2.35 - 2.60
Fishberries, bgs ..... lb. .20 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area..ton.140.00 - —
Fishscrap, dried, 60% protein, bulk, Balto. area..ton.130.00 - —
Fleaseed (see Psyllium seed).
Fringetree bark, bls ..... lb. .42 - .45
Fluorspar, acid grade, bgs., c.l., mines..ton.47.50 - —
l.c.l., mines ..... ton.49.50 - —
bulk, contract, c.l., mines ton.42.00 - —
noncontract, c.l., mines ton.45.00 - —
l.c.l., mines ..... ton.47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF2, bulk, c.l., mines..net ton.39.00 -41.00
powd., 90-92% ..... ton.41.00 - —
foundry grade, lump, 85-60%, ton.34.00 - —
washed, gravel, 70% or more, CaF2, bulk, c.l., mines.ton.35.00 -37.00
65%, bulk, c.l., mines ..... ton.34.00 -36.00
60%, bulk, c.l., mines ..... ton.33.00 -35.00
less than 60%, bulk, c.l., mines. ton.32.00 -34.00
Formaldehyde, USP (inhibited), dms., c.l., E. works lb. .0570- —
l.c.l., E. works ..... lb. .0620- —
tanks, E. works ..... lb. .0370- —
methanol-free (uninhibited), tanks, works lb. .0350- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton.30.00 - —
Tex., mines ..... ton.27.00 - —
spent, bulk, Bayonne ..... ton. 2.00 - 4.00
imported, bgs., c.l ..... ton.30.00 -40.00
Furfural, tech., dms., c.l., works lb. .12 - —
l.c.l., works ..... lb. .14 - —
tanks, works ..... lb. .09½- —
Fusel oil, refined, dms., c.l., dlvd lb. .23½- —
l.c.l., dlvd ..... lb. .24½- —
tanks, dlvd ..... lb. .22 - —
Fustic extract, cryst., No. 2, bbls., l.c.l. lb. .42½- —
No. 1A, bbls., l.c.l ..... lb. .41½- —
No. 2, bbls., l.c.l ..... lb. .40½- —
No. 3, bbls., l.c.l ..... lb. .38½- —
liquid, No. 0, bbls., l.c.l ..... lb. .22 - —
No. 1, bbls., l.c.l ..... lb. .20½- —
No. 2, bbls., l.c.l ..... lb. .19½- —
No. 3, bbls., l.c.l ..... lb. .17 - —
solid, No. 1, bxs., l.c.l ..... lb. .28 - .40

G

G salt, bbls ..... lb. .59 - .60
Galangal root, bls ..... lb. .22 - .25
Gambier, plantation, bgs., ex dock. lb. No stocks.
Extract, bbls ..... No stocks.
Gammapicoline, 95%, dms., c.l., works..lb. 1.00 - 1.05

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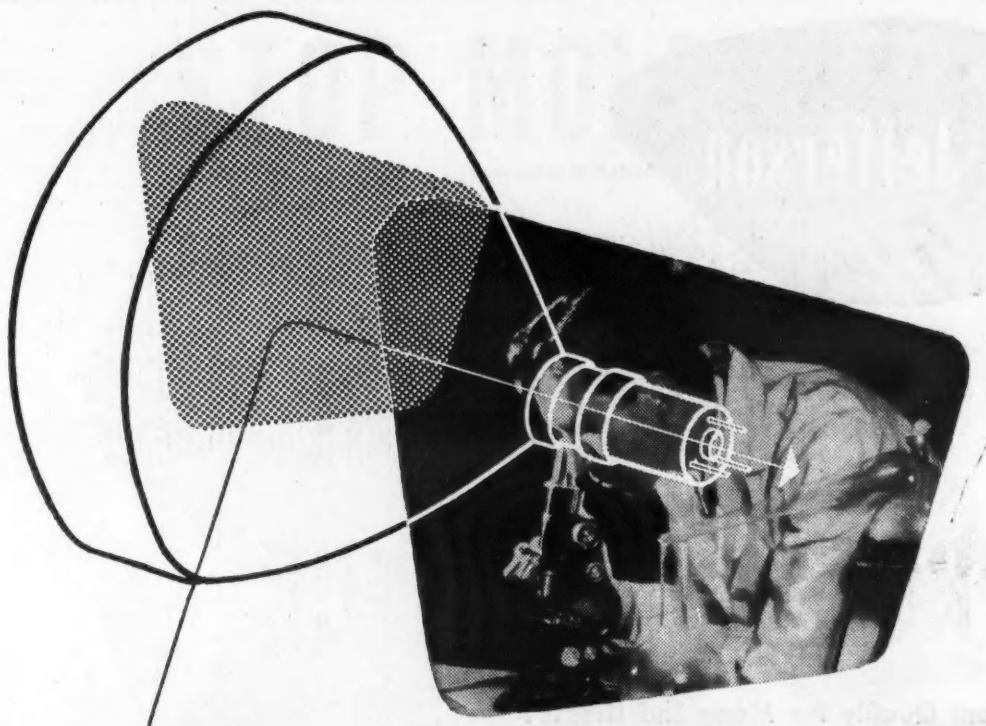
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks..gal. .10375- —
Bayonne, 63 octane, tanks.gal. .115 - —
Gulf coast, 80 octane, tanks..gal. .10 - .11
Group 3, 89 octane, tanks..gal. .9875- .10
Pennsylvania, western, U. S. motor, 83 octane, tanks gal. .1275- —
natural, 26-70 octane, group 3, tanks..gal. .04875- —
Gelatin, silver iodol, imported, cs lb. 1.15 - —
Gelsemium root, bls.....lb. .25 - .30
Gentian root, bls.....lb. .13 - .17
grd., bbls., bxs.....lb. .17 - .18
powd., bbls., bxs.....lb. .18 - .21
Geraniol, extra, cns., dms.....lb. 2.60 - 3.00
prime.....lb. 2.20 - 2.40
Geranyl acetate, cns.....lb. 2.65 - 3.90
Ginger, oleoresin, NF, African, bots. lb. 7.45 - 8.70
Jamaican.....lb. 9.40 -12.00
Root, African, bls.....lb. .38 - .40
Mar.-May shipment, bgs....lb. .38 - .39
Cochin, bleached, bgs., futures, lb. No stocks.
unbleached, bgs.....lb. .50 - .50½
Jamaica, No. 1, bgs.....lb. .49½- .50
No. 2, bgs.....lb. .48 - .48½
No. 3, bgs.....lb. .47 - .47½
Rhattoon, bgs.....lb. .40 - .41
Nigerian, split, bgs.....lb. .30 - .31
Ginseng root, cs.....lb.12.00 -16.00
Glauber's salt, annyd. (see Sodium sulphate).
cryst., bgs., c.l., works..100 lbs. 1.60 - —
l.c.l., bgs., works.....100 lbs. 1.75 - 2.00
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest..lb. .18½- —
65 jellygrams, bgs., c.l., same basis..lb. .20 - —
80 jellygrams, bgs., c.l., same basis..lb. .21 - —
110 jellygrams, bgs., c.l., same basis..lb. .22 - —
130 jellygrams, bgs., c.l., same basis..lb. .23 - —
Over 150 jellygrams, bgs., c.l., same basis lb. .24 - —
Bone glue, l.c.l., 1c. per lb. higher than c.l.
ground, 65 jellygrams, bgs., c.l., (50,000 lbs.), dlvd..lb. .20½- —
l.c.l., same basis.....lb. .21½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd..lb. .22 - .25
122-149, bgs., c.l., dlvd.....lb. .23 - .26
150-177, bgs., c.l., dlvd.....lb. .24 - .27
178-206, bgs., c.l., dlvd.....lb. .25 - .29
207-236, bgs., c.l., dlvd.....lb. .26 - .30
237-266, bgs., c.l., dlvd.....lb. .27 - .31
267-296, bgs., c.l., dlvd.....lb. .28 - .32
299-330 bgs., c.l., dlvd.....lb. .29 - .33
331-362, bgs., c.l., dlvd.....lb. .30 - .33
363-394, bgs., c.l., dlvd.....lb. .31 - .34
395-427, bgs., c.l., dlvd.....lb. .32 - .35
428-460, bgs., c.l., dlvd.....lb. .33 - .36½
461-494, bgs., c.l., dlvd.....lb. .34 - .38
495-529, bgs., c.l., dlvd.....lb. .33 - .39
Hide glue, l.c.l., prices 1c. higher than c.l.; bbls., ½c. more than bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd lb. .16¾- .18¾
soapiye, 80%, tanks, dlvd...lb. .15¼- .16½
dynamite, dms., c.l., dlvd.....lb. .24 - —
l.c.l., dlvd.....lb. .24½- —
tanks, dlvd.....lb. .23½- —
high gravity, dms., c.l., dlvd...lb. .24¼- —
l.c.l., dlvd.....lb. .24¾- —
tanks, dlvd.....lb. .23¾- —
refined, BP, 98%, dms., c.l., dlvd. lb. .25½- —
l.c.l., dlvd.....lb. .26 - —
tanks, dlvd.....lb. .25 - —
USP, c.p., 95%, dms., c.l., dlvd. lb. .24¾- —
l.c.l., dlvd.....lb. .25¼- —
tanks, dlvd.....lb. .24¼- —
yellow, distilled, dms., c.l., dlvd lb. .24½- —
lb. .24½- —
l.c.l., dlvd..... lb. .24⅝- —
tanks, dlvd.....lb. .23⅝- —
Glycine USP (see Acid, aminoacetic).
Glyoxal, 30%, dms., c.l., works..lb. .17½- —
l.c.l., works..... lb. .18 - —
tanks, works.....lb. .17 - —
Gold chloride, acid-brown, bots..oz.22.50 -23.00
acid-yellow, bots.....oz.20.50 - —
Gold of pleasure seed, bgs.....lb. .40 - .41
Goldenseal root, bls.....lb. 2.90 - 3.50
powd., bxs.....lb. 3.50 - 4.00
Gold-sodium chloride, photo, bots. oz.13.00 -14.00
USP IX, bots.....oz.14.50 -15.50
Grains of paradise, bgs.....lb. .55 - .56
Graphite, imported, amorph., powd., bgs., dlvd lb. No prices.
crystalline, 88-90%, powd., bgs., ex whse lb. No prices.
90-92%, powd., bgs., ex whse. lb. No prices.
97%, powd., bgs., ex whse lb. No prices.
flake, No. 1, 90-95%, bgs., ctns., ex whse lb. No prices.
No. 2, whse.....lb. No prices.
Grease, house, loose, dlvd.....lb. .04 - —
White, choice, loose.....lb. .06¼- —
Wool (see Degras and Lanolin).
Yellow, loose.....lb. .04¾- .05
Green, brilliant, thioflavin, toner, molybdic, kgs., works..lb. 4.25 - 4.50
Tungstic, kgs., works.....lb. 4.25 - 4.50
16-20%, bbls., same basis lb. .38½- —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .32 - —
6-10%, bbls., same basis.. lb. .33 - —
11-15%, bbls., same basis.. lb. .34 - —
16-20%, bbls., same basis. lb. .34½- —
21-25%, bbls., same basis.. lb. .35¼- —
26-30%, bbls., same basis.. lb. .35¾- —
31-35%, bbls., same basis.. lb. .36¾- —
36-40%, bbls., same basis.. lb. .38½- —
41-45%, bbls., same basis.. lb. .40 - —
46-50%, bbls., same basis.. lb. .42¼- —
50% and over, bbls., same basis lb. .42¾- —
reduced color, 5%, bbls., same basis lb. .12½- —
6-10%, bbls., same basis.. lb. .13¼- —
11-13%, bbls., same basis.. lb. .13¾- —
14-16%, bbls., same basis.. lb. .14½- —
17-19%, bbls., same basis.. lb. .14¾- —
20-21%, bbls., same basis.. lb. .15 - —
22-23%, bbls., same basis.. lb. .15¼- —
24-25%, bbls., same basis.. lb. .15¼- —
26-27%, bbls., same basis.. lb. .15¾- —

Green, chrome, reduced color, 28-29%, bbls., same basis.. lb. .16¼- —
30-31%, bbls., same basis.. lb. .17¼- —
32-33%, bbls., same basis.. lb. .18½- —
34-35%, bbls., same basis.. lb. .19½- —
36-40%, bbls., same basis.. lb. .41¾- —
41-45%, bbls., same basis.. lb. .24½- —
46-50%, bbls., same basis.. lb. .26 - —
51-55%, bbls., same basis.. lb. .25¾- —
56-60%, bbls., same basis.. lb. .26¼- —
61-65%, bbls., same basis.. lb. .27¼- —
66-70%, bbls., same basis.. bl. .28½- —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Chromium oxide, hydrated, bbls., works..lb. .75 - 1.00
pure, bgs., frt. alld.....lb. .33 - .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
Tungstic, bbls., works.....lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works. lb. 4.40 - 5.00
Green, tungstated, brilliant, kgs..lb. 3.00 - 4.00
Emerald, kgs.....lb. 2.60 - —
Grindelia robusta herb, bls.....lb. .24 - .30
Guaiac resin, NF, cs.....lb. .60 - .65
ordinary, cs.....lb. .49 - .51
Wood, bls.....lb. .35 - .36
Guaiacol, cryst., tins.....lb. No prices.
Liquid, NF, bots., cbys.....lb. 1.90 - 1.95
Carbonate, dms.....lb. 2.95 - 3.00
Guarana, powd., cs.....lb. 1.50 - 1.75
Gum, accroides (see Gum, yacca).
Aloe (see A.).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs.....lb. .12 - .13½
powdered, USP, bbls.....lb. .20½- .21
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs.....lb. .50 - .70
Camphor (see C).
Copal, Congo, No. 1, bgs.....lb. .25 - .26
No. 2, bgs.....lb. .20 - .21
No. 3, bgs.....lb. .16 - .17
Manila, toba, B, bgs.....lb. No prices.
C, bgs.....lb. .26 - .27
CBB, bgs.....lb. .22 - .23
CNE, bgs.....lb. No prices.
DBB, bgs.....lb. .22 - .23
DK, bgs.....lb. .13 - .14
dust, bgs.....lb. No prices.
soft, MA, bgs.....lb. .14 - .15
WS, bgs.....lb. No prices.
Philippine, pale, chips, bgs..lb. .19 - .21
nubs, bgs.....lb. .23 - .25
seeds, bgs.....lb. .14 - .15
sorts, bgs.....lb. .16 - .17
Pontianak, chips, bgs.....lb. .14 - .16
nubs, bgs.....lb. .25 - .27
Gum, dammar, Batavia, A/D, bgs.lb. .26 - .30
A/E, bgs.....lb. .23 - .24
dust, bgs.....lb. .07½- .08¼
E, bgs.....lb. .12½- .13¼
East India, batu, bold, bgs lb. .09 - .10
nubs and chips, bgs.....lb. .06 - .07
black, bold, bgs.....lb. .11 - .12
unscraped, bgs.....lb. .09 - .10
nubs and chips, bgs.....lb. .09 - .10
pale, chips, bgs.....lb. .11 - .13
nubs, bgs.....lb. .20 - .22
Singapore, No. 1, bgs.....lb. .28 - .30
No. 2, bgs.....lb. .20 - .21
No. 3, bgs.....lb. No prices.
dust, bgs.....lb. .09 - .10
seeds, bgs.....lb. .12½- .13¼
Elemi, cns.....lb. .21 - .22
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .12 - .12¼
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc..lb. .12 - .12¼
Euphorbium, cs.....lb. .35 - .40
Galbanum, cs.....lb. .75 - .80
Gamboge, pipe, cs.....lb. 1.00 - 1.05
powd., bbls.....lb. 1.15 - 1.20
Ghatti, No. 2, bgs.....lb. .35 - .37
No. 3, bgs.....lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1.....lb. .49 - .54
No. 2.....lb. .45 - .48
No. 3.....lb. .34 - .35
Kauri, bgs.....lb. .31½- .32¼
Locust bean, powd., bgs.....lb. .32 - .34
Mastic, cs.....lb. 2.25 - 2.50
Myrrh, cs.....lb. .30 - .35



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Copper		0.3 ppm
Silver	Less than	0.1 ppm
Bismuth	Less than	0.1 ppm
Cobalt	Less than	0.5 ppm
Chromium	Less than	0.5 ppm
Cesium	Less than	0.1 ppm
Iron		0.2 ppm
Lithium		0.9 ppm
Manganese	Less than	0.1 ppm
Nickel	Less than	0.5 ppm
Aluminum		15.0 ppm
Barium	Less than	0.1 ppm
Cadmium	Less than	0.1 ppm
Lead		1.2 ppm
Silicon	Less than	1.0 ppm
Tin		0.3 ppm
Strontium	Less than	0.1 ppm
Titanium	Less than	0.5 ppm
Zinc	Less than	1.0 ppm

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Gum, Olibanum—Isopropyl Ether

Gum, olibanum, siftings, cs.....lb. .12 • .13
tears, cs. .....lb. .16 • .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. .....lb. 1.95 • 2.25
Scammony, cs.....lb. 1.50 • 1.85
Sterculia (see Gum, karaya).
Talha, bgs.....lb. .10 • .11
Tragacanth, No. 1, cs.....lb. 2.75 • 3.00
No. 2, cs.....lb. 2.50 • 2.75
No. 3, cs.....lb. 1.75 • 2.00
powdered, USP, bbls.....lb. 1.35 • 1.45
Yacca, bgs. .....lb. .05½- .06½
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.63 • —
Harlem river, N. Y., frt. equald..ton.23.23 • —
Medicine Lodge, Kan., frt. equald..ton.17.00 • —
New Brighton, N. Y., frt. equald..ton.30.63 • —
Southard, Okla., frt. equald. ton.17.00 • —
Sweetwater, Tex., frt. equald..ton.21.45 • —
Acme, Texas, frt. equald. ton.12.50 • —
Blue Rapids, Kans., frt. equald..ton.10.59 • —
Harlem river, N. Y., frt. equald..ton.12.00 • —
Medicine Lodge, Kan., frt. equald..ton.12.50 • —
New Brighton, N. Y., frt. equald..ton.18.00 • —
Gypsum, keen's cement, Saltville, Va. frt. equald..ton. 9.00 • —
Southard, Okla., frt. equald.. ton.12.50 • —
Sweetwater, Tex., frt. equald ton.12.50 • —
Stucco, paper bgs., Akron, N. Y., frt. equald..ton. 8.00 • —
Blue Rapids, Kans., frt. equald..ton. 8.00 • —
Clarence Center, N. Y., frt. equald..ton. 8.00 • —
Fort Dodge, Iowa, frt. equald..ton. 8.00 • —
Gypsum, Ohio, frt. equald. ton. 8.00 • —
Grand Rapids, Mich., frt. equald..ton. 8.00 • —
Harlem river, N. Y., frt. equald..ton. 8.00 • —
National City, Mich., frt. equald..ton. 8.00 • —
New Brighton, N. Y., frt. equald. ton. 8.00 • —
Plasterco, Ga., frt. equald.. ton. 8.00 • —
Portsmouth, N. H., frt. equald..ton. 8.00 • —
Roton, Texas, frt. equald. ton. 8.00 • —
Saltville, Va., frt. equald. ton. 9.00 • —
Southard, Okla., frt. equald. ton. 8.00 • —
Sweetwater, Texas, frt. equald. ton. 8.00 • —
Terra alba, paper bags, c.l., Harlem River, N. Y. works ton.22.50 • —
New Brighton, N. Y., works ton.21.00 • —

H

Hawthorn berries, bgs.....lb. .39 • .45
Heliotropin, cryst., cns.....lb. 2.85 • 3.05
Hellebore root, dom., green, bls..lb. .80 • .90
imp., black, whole, bls. .....lb. .20 • .25
ground, bxs. .....lb. .25 • .30
powder, bxs. .....lb. .27 • .32
white, whole, bls. .....lb. .30 • .40
powder, bxs. .....lb. .35 • .45
Helonias root, bls.....lb. 1.65 • 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l. .....lb. .45½- —
No. 1, bbls., l.c.l. .....lb. .44½- —
No. 1A, bbls., l.c.l. .....lb. .41½- —
No. 2, bbls., l.c.l. .....lb. .40½- —
No. 3, bbls., l.c.l. .....lb. .38½- —
No. 4, bbls., l.c.l. .....lb. .36½- —
No. 5, bbls., l.c.l. .....lb. .34½- —
paste, No. 1, bbls., l.c.l. .....lb. .19 • —
No. 2, bbls., l.c.l. .....lb. .18 • —
No. 3, bbls., l.c.l. .....lb. .17 • —
No. 4, (red), bbls., l.c.l. ....lb. .12½- —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works .....lb. No stocks.
Henbane leaves, bls.....lb. .30 • .40
Henna leaves, bls.....lb. .23 • .25
powd., bbls., bgs.....lb. .37 • .39
Heptane, industrial, Bayonne, N. J., tanks..gal. .16½- —
group 3, tanks..... gal. .12½- .13½
Hesperidin methylchalcone, works. lb.50.00 • —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs. c.l., Perth Amboy or N.Y.C. .....lb. .22 • —
l.c.l., same basis .....lb. .22½- —
bbls., c.l., same basis .....lb. .24 • —
l.c.l., same basis .....lb. .24½- —
Hexamethylenetetramine, USP, dms., 500 lbs. or more, same basis..lb. .36½- —
smaller lots, same basis....lb. .39½- —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks, gal. .13¼- .14⅛
Bayonne, N. J., tanks.....gal. .16½- —
Hexanol, normal, dms., c.l., works. lb. .30½- —
l.c.l., works.....lb. .31 • —
tanks, works.....lb. .29 • —
Hexyleneglycol, dms., c.l., dlvd...lb. .14 • —
l.c.l., dlvd.....lb. .14½- —
tanks, dlvd.....lb. .12½- —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 • —
Hexylresorcinol, USP, 50 lbs. up, frt. alld..lb.17.00 • —
works .....lb.15.00 -17.00
smaller lots, frt. alld.....lb.18.00 • —
works .....lb.18.00 -20.00
Histamine diphosphate, USP, bots kilo.375.00 • —
Histidine hydrochloride—laevo, NF, lib. dms., 50 kilo lots, works kilo.100.00 -120.00
1-5 kilos, works.....kilo.110.00 -130.00
Homatropine hydrobromide, USP, bots..oz.15.00 -16.00
Hydrochloride, bots.....oz.20.00 -22.00
Methylbromide, NF.....oz.13.00 -16.25
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago..unit-ton. 6.50 • —
Hops, NF, bls. .....lb .40 • .45
Horehound, bls. .....lb. .19 • .20
Hydrangea root, bls.....lb. .14 • .17
Hydrastine, bots. .....lb.31.00 -37.00
Hydrochloride, NF.....oz.29.50 -36.00
Sulphate, bots.....lb.35.00 -37.00
Hydrastinine, 10-grain bots....bot. 1.95 • —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., lib. cns., works lb. .30 • .40
Hydrogen peroxide, USP, bbls...lb. .03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal..lb. .17½- .19⅛
35%, cbys., same basis.....lb. .23½- —
dms., c.l., same basis.....lb. .20½- —
l.c.l., same basis.....lb. .21½- —
tanks .....lb. .19¾- —
Hydroquinone, photographic, bbls., dms lb. .90 • —
tech., dms. .....lb. .70 • —
Hydroxycitronellal, cns. .....lb. 7.10 • 7.35
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots. .....oz.15.75 -16.00
Hydrobromide, bots. .....lb.16.50 -18.00
Sulphate, bots. .....oz.13.50 -14.00
Hypernic extract, cryst., No. 1, bbls., l.c.l. .....lb. .56 • —
No. 2, bbls., l.c.l. .....lb. .48 • —
liquid, No. 1, bbls., l.c.l.....lb. .30 • —
No. 2, bbls., l.c.l. .....lb. .25 • —
solid, No. 1, bxs., l.c.l.....lb. .44 • —
Hyssop herb, bgs.....lb. .35 • .45
Leaves, bgs. .....lb. .45 • .50

I

Iceland moss, bgs.....lb. .35 • .40
Ichthammol, F, dms.....lb. .60 • .75
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 • 2.16
synth., paste, bots.....lb. .23 • —
powd., bbls.....lb. 1.03 • —
Indol, CP bots .....lb.17.00 -19.00
Inositol, dms., dlvd.....lb. 4.90 • —
tins, dlvd.....lb. 5.00 • —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs.....lb. 1.52 • —
resubl., USP., bots., jars.....lb. 2.30 • 2.41
Iodochlorohydroxyquinolin, NF, dms. lb. 5.90 • —
Iodoform, NF, dms., kgs.....lb. 4.45 • 4.60
Ionone, alpha, cns.....lb. 6.25 -13.25
beta, cns. .....lb. 6.75 -10.25
Ipecac root, bgs.....lb. 4.30 • 5.00
powd., bgs. .....lb. 4.50 • 5.50
Irish moss, bleached, prime, bls. lb. .16 • .18
Iron acetate, liquor, 23° bbls., c.l., works lb. .09 • —
l.c.l., works.....lb. .09¾- —
solut., USP IX, cbys.....lb. .16 • —
ajns. .....lb. .17 • —
Cacodylate, NF, bots.....lb.13.50 -14.50
Chloride (ferric), annydr., tech., dms., c.l., works 100 lbs. 5.75 • —
l.c.l., works ....100 lbs. 6.50 • 7.50
cryst., tech., c.l., bbls., works. 100 lbs. 5.00 • 6.00
l.c.l., bbls., works..100 lbs. 5.50 • 8.00
USP, dms., works.....lb. .06¾- .08¼
solut., 42 Be, 100% basis, tanks, works..100 lbs. 3.45 • —
Citrate, gran., dms.....lb. .77 • .80
Gluconate, NF, dms.....lb. .83 • .95
Glycerophosphate, N.F., powd. lb. 4.25 • 4.35
Hypophosphite, NF, dms.....lb. 2.80 • —
Iodide, bgs.....lb. 3.66 • 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld..lb. .21¼- .21⅛
Oxalate, gran., dms.....lb. .83 • .85
Phosphate, soluble, NF, gran., cs. lb. .64 • .65
Pyrophosphate, soluble, NF VII, gran., dms..lb. .69 • .72
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms., frt. alld. lb. .23 • —
Stearate, dms., c.l.....lb. .34 • —
ton lots .....lb. .35 • —
less ton lots .....lb. .36 • —
Sulphate, partially hydrated, bgs., c.l., works..ton.28.50 • —
l.c.l., works.....ton.29.50 • —
ferrous, tech. (see Copperas).
USP, cryst., bbls., dms.....lb. .09½- .10
Iron by hydrogen, kgs.....lb. .80 • .85
Iron-ammonium citrate, green, NF, gran., dms..lb. .55 • .58
brown, USP, gran., dms ...lb. .55 • .58
Oxalate, dms .....lb. .25½- .28⅛
Iron-potassium oxalate fine gran., dms. .....lb. .30½- .33⅛
Iron-sodium oxalate, fine gran., dms lb. .25½- .28⅛
Isoborneol, cns. .....lb. .84 • .95
Isoboruyl acetate, cns .....lb. .97 • 1.10
Thiocyanoacetate, dms., c.l., works. gal. 3.85 • —
l.c.l., works.....gal. 3.85 • 4.05
tanks, works .....gal. 4.23 • —
Isobutyl acetate, cns.....lb. .82 • 1.25
Methacrylate, dms., works.....lb. .60 • —
Propionate, cns .....lb. No prices.
Isobutyraldehyde, dms., works...lb. .50 • .53
Isoeugenol, cns. .....lb. 3.15 • 3.70
Isoleucine, dextro-laevo, with al-loisoleucine, dms., works lb.25.00 -35.00
Isopentane, dms. works .....lb. .45 • .55
Isophorone, dms., c.l., works...lb. .22½- —
l.c.l., works.....lb. .23 • —
tanks, works .....lb. .21 • —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. .....lb. .10½- —
l.c.l., same basis.....lb. .11 • .11⅛
tanks, same basis.....lb. .09 • —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).

Jefferson

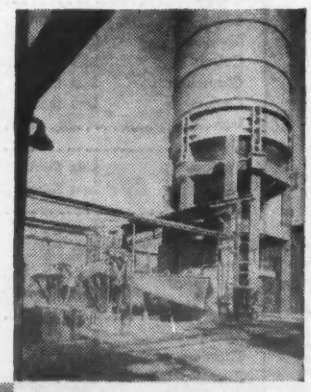
Diethylene Glycol

Excellent Quality For Many End Uses...

tobacco humectant
manufacture of resins
manufacture of plasticizers
printing inks
dehydrating agent for natural gas
textile softener
dyestuff solvent

Available East and West in Convenient Lots

from Port Neches, Texas, or Union, N. J.
in tank cars or 55 gallon drums.



Quicklime silo and lime slakers in ethylene oxide and glycol unit at Jefferson's Neches plant.

Jefferson Chemical Company, Inc.

711 FIFTH AVE., NEW YORK 22, N.Y.

ESSENTIAL CHEMICALS FROM HYDROCARBON SOURCES

Isopropylamine, dms., c.l., frt. alld. lb. .24 - —
l.c.l., same basis lb. .25 - —
tanks, same basis lb. .22½- —
Isoquinoline, dms., c.l., works lb. .20 - —
l.c.l., works lb. .40 - —

J

Jaborandi leaves, bls lb. .15 - .20
Jalap root, NF, bls lb. .43 - .45
powd., bbls., bxs lb. .48 - .50
Resin, NF, powd., bxs lb. 6.20 - 6.60
Juniper berries, bgs lb. .03 - .18
Tar, USP, dms lb. .40 - .65

K

Kamala, powd., cns. lb. .54 - .59
Kaolin (see China clay).
Kava kava root, bls lb .25 - .30
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks gal. .08625- —
Bayonne, 41-43 s.g., w.w., tanks. gal. .095 - —
California, 40-43 s.g., w.w., tanks gal. .126 - .136
Gulf ports, 41-43 s.g., w.w., tanks. gal. .086 - .0925
Okla.-Tex. 41-43, s.g., w.w., tanks. gal. .085 - .09
Penn., Western, 45 s.g., w.w., tanks gal. .095 - .10
Kola nuts, bgs lb. nom - .10
Kyanite, imp. low iron content, 10-mesh, whse ton.85.00 -95.00
calcined, grain, 10-mesh, whse ton.95.00 -105.00

L

Lady slipper root, bls lb 1.50 - 1.75
Lanolin, anhyd., cosmetic, dms., works lb. .30 - .32
pharmaceutical, USP, dms., works lb. .28 - .31
hydrous lb. .27 - .29
Lard, cash, trcs., Chicago lb. .1255- —
Larkspur seed, bgs lb. .30 - .35
Laurel berries, bls lb .25 - .26
Leaves, Greek, bls lb. .08 - .08½
Turkish, bls. lb. .11 - .11½
Yugoslavian, bls. lb. .09 - .09½
Lauryl methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls. lb. .55 - .60
ordinary, bls. lb. .16 - .20
select, bls lb. .60 - .65
Lead acetate, white, crystals, bbls., lb. .19 - —
gran., bbls. lb. .19¾- —
powd., bbls. lb. .19¾- —
USP, cryst., dms lb. .20 - —
gran., powd., dms lb. .20¾- —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over lb. .25 - .27
l.c.l., frt. alld lb. .26 - —
1-lb. bgs., c.l., frt. alld. lb. .33 - .38
l.c.l., frt. alld. lb. .34 - .39

Lead arsenate prices are works or whse. basis frt. alld. on purchases totaling $75.00 or more to dest. East.

Blue basic sulphate, bbls., c.l., ship't point, frt. alld. lb. .13¼- —
l.c.l., works lb. .14¼- —
Carbonate (see Lead, white).
Chloride, dms lb. .39 - —
Iodide, NF V, jars lb. 3.30 - —
Linoleate liq. 13% Pb. dms., frt. alld lb. .29½- —
Metal, pigs, prime, N. Y. lb. .1200- —
St. Louis lb. .1180- —
Metallic paste, dms., 20,000 40,000 lbs., works lb. .27 - —
10,000-20,000 lbs., same basis lb. .27½- —
2,000-10,000 lbs., same basis lb. .28 - —
100 to 2,000 lbs., same basis lb. .28½- —

Prices ex whse, Jersey City, N. J., 4½c. per pound higher

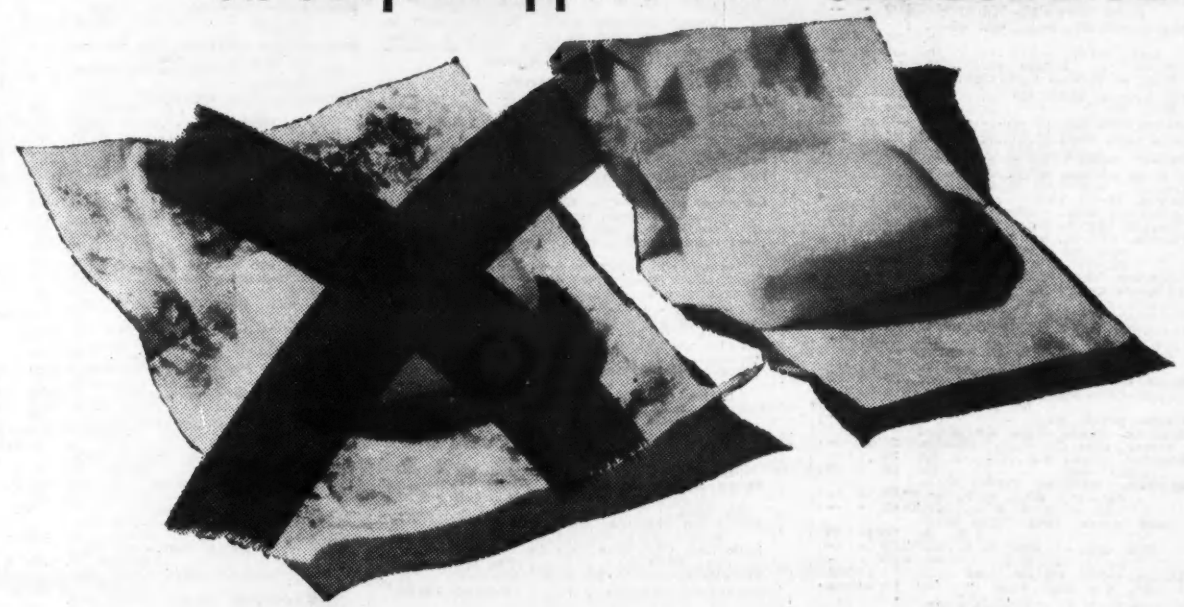
Naphthenate, liquid, 16% pb, dms., dlvd. lb. .14¾- —
24% Pb, dms., dlvd. lb. .19¾- —
37% Pb, dms., dlvd. lb. .26 - —
Nitrate, bbls., c.l. lb. .19 - —
l.c.l. lb. .19¼- —
Oleate, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .29½- —
60% PbO, dms., works lb. .28 - —
Peroxide, powd., tech., bbls lb. .34 - .39
Phthalate, dibasic, dms. works lb. .37½- —
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .14¾- —
l.c.l., same basis lb. .15¾- —
97% Pb_3O_4, bbls., c.l., same basis lb. .15 - —
l.c.l., same basis lb. .16 - —
98% Pb_3O_4, bbls., c.l., same basis lb. .15¼- —
l.c.l., same basis lb. .16¼- —
Resinate precip. dms., dlvd lb. .25 - —
Salicylate, normal, dms., works. lb. .41¾- —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .14¾- —
Stearate, dibasic, dms., works lb. .50¼- —
precip., bbls., c.l. lb. .36 - —
ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
tribasic, dms., works lb. .24¼- —
Tallate, liquid, 16% Pb, dms. lb. .12½- —
solid, 30% Pb, dms lb. .19¼- —
White, basic carbonate, bgs., c.l., ship't point, frt. alld. lb. .14¾- —
l.c.l., same basis lb. .15¾- —
basic silicate, bgs., c.l., ship't point, frt. alld. lb. .13¾- .16¼
l.c.l., same basis lb. .14¾- .17¼
basic sulphate, bgs., c.l., ship't point, frt. alld. lb. .13¼- —
l.c.l., same basis lb. .14¼- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works lb. .13 - —
l.c.l., same basis lb. .16 - —
unbleached, c.l., same basis lb. .12 - —
l.c.l., same basis lb. .15 - —
Lemon peel, bls lb. .20 - .25
Leucine, dextro-laevo, dms., works lb. 28.00 -35.00
Licorice extract, mass, cns lb. .40 - .45
powd., bbls. lb. .55 - —
Root, bls lb. .03 - .09
5-lb. bundles, cs lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06½
Lime, agricultural, bgs., works ton.13.00 -13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass. ton 10.00 - —
Annville, Pa. ton.10.50 - —
Bellefonte, Pa. ton.10.50 - —
Buffalo, N. Y. ton.10.00 - —
Cedar Hallow, Pa. ton.10.50 - —
Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio ton. 8.50 - —
Hannibal, Mo. ton. 7.50 - —
Keystone, Ala. ton. 9.75 - —
Knoxville, Tenn. ton. 9.75 - —
Limedale, Ark. ton. 9.00 - —
Longview, Ala. ton. 9.75 - —
Martinsburg, W. Va. ton.10.00 - —
Menominee, Mich. ton. 8.00 - —
Mitchell, Ind ton. 7.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 7.50 - —
Sherwood, Tenn. ton.10.00 - —
Sherwood, Wis. ton. 8.50 - —
Woodville, Ohio ton. 9.50 - —
York, Pa. ton.10.50 - —
Hydrated, paper bgs., Adams, Mass. ton.11.50 - —
Annville, Pa ton.13.50 - —
Bellefonte, Pa. ton.13.50 - —
Buffalo, N. Y. ton.13.50 - —
Carey, Ohio ton 9.00 - —
Cedar Hollow, Pa. ton.13.50 - —
Engle, W Va. ton.13.00 - —
Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio ton 9.50 - —
Hannibal, Mo. ton. 9.50 - —
Keystone, Ala. ton.13.00 - —
Knoxville, Tenn. ton.12.25 - —
Limedale, Ark. ton.10.50 - —
Longview, Ala. ton.13.00 - —
Manistique, Mich. ton. 9.50 - —
Marblehead, Ohio. ton.10.50 - —
Mitchell, Ind. ton.10.00 - —
Petoskey, Mich. ton 10.00 - —
Port Island, Mich. ton. 9.00 - —
Rapid City, S. Dak. ton.12.00 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 9.00 - —
Lime, hydrated, paper bgs., Sherwood, Tenn. ton.13.00 - —
Sherwood, Wis. ton.10.00 - —
Springfield, Mo. ton. 9.00 - —
Woodyville, Ohio ton. 8.50 - —
York, Pa ton.13.50 - —
Spray, paper bgs., Adams, Mass. ton.11.70 - —
Annville, Pa ton.13.50 - —
Bellefonte, Pa. ton.13.50 - —
Carey, Ohio ton.11.00 - —
Engle, W Va. ton.13.00 - —
Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio ton.10.00 - —
Marblehead, Ohio ton.10.00 - —
Rockland, Me. ton.10.00 - —
Scioto, Ohio ton.10.00 - —
Woodville, Ohio ton.10.00 - —
York, Pa ton.13.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bgs., works ton. 3.50 - 4.00
Linalool, ex bois de rose lb. 5.40 - 5.50
ex lignaloe wood lb 6.50 7.00
Linalyl acetate, 90-92%, bots. lb. 5.50 - 5.80
96-98%, bots. lb. 6.35 - 6.50
ex petitgrain, bots lb 4.25 6.00
Lindane, 25%, cns., works lb. 3.00 - 3.05
dms., works lb. 2.95 —
Linden flowers with leaves, bls. lb. .22 - .25
without leaves, bls lb. .22 - .23
Linseed meal, expeller, 34% bulk, Midwest mills ton.67.00 -68.00
extracted, 34%, same basis ton.63.50 -64.00
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld. lb. .13¾- —
l.c.l., same basis lb. .14¾- —

Isopropylamine—Lysine Hydrochloride

Lithium benzoate, dms lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald. lb. 1.90 - —
Carbonate, NF, bbls., kgs lb. 1.10 - 1.15
Chloride, cryst., dms lb. .93 - —
Citrate, NF, bbls., dms., kgs lb. 1.25 - 1.40
Fluoride, bbls lb. 1.80 - 2.00
Hydride, dms., works lb. 14.00 -16.50
Hydroxide, dms lb. 1.00 - 1.25
Salicylate, dms. lb. 1.62 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .06¼- —
l.c.l., dlvd lb. .06⅝- .07¼
Titanated (high-strength), bgs., c.l., dlvd. lb. .08¼- —
l.c.l., dlvd lb. .09¼- —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls lb. .70 - .75
Lobelia herb, bls lb. .80 - .85
leaves, NF lb. .85 - .90
Lobeline sulphate, bots., works oz. 34.00 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l. lb. .36½- —
liquid, No. 1, bbls., l.c.l. lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. .16½- —
solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .28½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. lb. 44½- 45¼
Lovage root, ump., bls. lb. 1.00 1.10
Lupulin, tins lb 1.95 2.00
Lycopodium, cs. lb. 1.30 - 1.50
Lysine hydrochloride, dextro-laevo. Filo. 145.00 -149.00

STOP MOLD

on soap wrappers with SANTOBRITE



Why let moldy soap wrappers spoil the sales appeal of your product when it is so easy to control organisms that cause this mold? Monsanto Santobrite (sodium pentachlorophenate, technical), in small concentrations, prevents mold damage on casein-coated paper.

As little as 2.0% of Santobrite, based on the dry weight of casein in the size, gives complete protection against surface microbiological growth. Since these organisms also flourish on the adhesives used on soap wrappers, Santobrite should be incorporated in them. The addition of Santobrite during paper manufacturing is recommended.

If molds on your soap wrappers are slowing down sales, it will pay you to get full details on how to stop these organisms with Santobrite. Mail the coupon or contact the nearest Monsanto Sales Office for complete information. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1770-E South Second Street, St. Louis 4, Missouri.

Santobrite: Reg. U. S. Pat. Off.

DISTRICT SALES OFFICES: Birmingham, Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Houston, Los Angeles, New York, Philadelphia, Portland, Ore., San Francisco, Seattle. In Canada, Monsanto (Canada) Ltd., Montreal.

MONSANTO
CHEMICALS — PLASTICS

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
1770-E South Second Street, St. Louis 4, Missouri

Please send further information on the use of Santobrite to stop mold in soap wrappers.

Name ..... *Title* .....
Company .....
Street .....
City ..... *Zone* ..... *State* .....

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Mace—Oil, Cubeb

M

Mace, Amboyna, bls ..... lb. .73 - .74
Banda, No. 1, bls ..... lb 1.05 Nom.
Siauw, No. 1, bbls ..... lb. .86 - .87
West Indian, bls ..... lb. .78 - .79
broken, bls ..... lb. .75 - .76
Madder Dutch, bgs ..... lb. .29 - .32
Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - .31
USP, light ctns ..... lb. .34 - —
heavy, bbls ..... lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs. c.s., frt. equald lb. .09 - —
l.c.l., frt. alld ..... lb. .10 - —
bbls., c.l., frt. equald ..... lb. .10¼- —
l.c.l., frt. alld. ..... lb. .11¼- —
bgs., c.l., frt. equald ..... lb. .11½- —
l.c.l., frt. alld. ..... lb. .12½- —
USP, bgs., c.l., frt. equald .. lb. .10¾- —
l.c.l., frt. alld ..... lb .11¾- —
bbls., c.l., frt. equald ..... lb. .11¼- —
l.c.l., frt. alld. ..... lb. .12¼- —
kgs., c.l., frt. equald ..... lb. .12½- —
l.c.l., frt alld ..... lb .13½- —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Gloustershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y C. on all other destinations.

Chloride, anhyd., dms., works lb. .12¼- —
flake, bbls. c.l., works ..... ton.40.00 - —
l.c.l., works ..... ton.44.00 -46.00
Gluconate, dms., cns ..... lb. 1.88 - 1.93
Glycerophosphate dms., works lb. 4.85 - 4.95
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .28 - .30
Hypophosphite, dms ..... lb. 1.60 —
Laurate, bbls ..... lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .20½- —
sticks, cs., works .. lb. .34 - .36
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works ..... lb. .09 - .10
Stearate, ctns., c.l. ..... lb. .35 - —
smaller lots ..... lb. .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms. 1,000-lb. lots lb. .43 - —
100-lb. lots ..... lb. .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif. ton.67.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash. ton.33.00 - —
Maleic anhydride, dms., c.l., dlvd., lb. .30 - —
l.c.l., dlvd. ..... lb. .31 - —

Prices on maleic anhydride West of Rockies 1½c. higher.

Malva flowers, black, bls ..... lb. 1.00 - 1.25
Blue, bls. ..... lb. .95 - 1.10
Leaves, bls. ..... lb. .30 - .35
Manaca root, bls ..... lb. .49 - .50
Mandrake root, bls ..... lb. .40 - .45
Manganese acetate, bbls. ..... lb. .32 - —
Arsenate, bgs ..... lb. .12 - .12½
Borate, tech., bbls ..... lb. .23 - —
Carbonate, bbls., works ..... lb. .21 - —
Chloride, anhyd., dms., works lb. .20 - .22
Dioxide, African, battery, 84-87%, bgs., 100 tons, works ..... ton.78.00 - —
smaller lots, works ..... ton.74.00 -94.00
Gluconate, dms., cns ..... lb. 1.86 - 1.93
Glycerophosphate, NF fib. dms lb. 4.15 - 4.25
Hydrate, bbls., works ..... lb. .34 - —
Hypophosphite, NF. dms lb. 2.00 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼- —
solid, precip., 8.2% Mn, bbls., lb. .41½- —
Metal, cs., dlvd. East ..... lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms., frt. allowed ..... .32¾ - .33¼
Oleate, precip, bbls ..... lb. 33½- —
Resinate, fused, 3½% Mn, dms. precip., dms ..... lb. .21½- —
Stearate, ctns., c.l ..... lb. .35 - —
smaller lots ..... lb. .36 - .37
Sulphate, fertilizer grade, 65% bgs., c.l., dlvd. S. E ..... ton.63.00 - —
l.c.l., dlvd. S. E ..... ton.70.00 - —
feed grade, 80% bgs., dlvd. S. E. lb. .05¼- .07
75% bgs., c.l., dlvd. S. E. ..... ton.72.50 - —
l.c.l., dlvd. S E ..... ton.79.50 - —
Taliate, liquid, 4% Mn, dms ... lb. No prices.
solid, 8% Mn. dms .. lb. No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex deck ton. No stocks.
So. American, 36-32% tannin, c.l., ex deck ton.62.00 -63.00
Manna, flake, large, cs ..... lb. 1.10 - 1.35
small, cs ..... lb. .85 - 1.00
Mannitol, com'l, dms., works ..... lb .40 - .43
reagent, 50-lb. dms., works ..... lb. .85 - —
Marjoram, Argentine, bls ..... lb. .14 Nom.
Bohemian, bls. ..... lb. .40 - .40½
Chilean, bls ..... lb. .50 Nom.
French, bls. ..... lb. .45 - .45½
Matico leaves, bls ..... lb. .28 - .33
Melamine, bgs. ton lots, works .. lb. .33 - —
500 lbs. or more, works ..... lb. .33½- —
less 500 lbs., works ..... lb. .38½- —
Menadione, USP, bots ..... gram. .06½- —
Menthol, natural, USP, bots ..... lb.11.40 -11.50
synthetic, USP, racemic, cns .... lb. 7.35 Nom.
Menthyl salicylate, tins ..... lb. 4.00 - 4.25
Mercaptobenzo thiazole, bgs., fib. dms., ton lots, works, frt. alld .. lb. .30 - —
less ton lots, same basis lb. .32 - —
Mercaptobenzothiazyldisulphide, bgs., fib. dms., ton lots, works, frt. alld .. lb. .28 - —
less ton lots, same basis lb. .40 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms. ..... lb. 2.13 - 2.18
Chloride (see Calomel).
Cyanide, NF, crys., powd., fib. dms lb. 3.27 - 3.32
Iodide, red, NF, dms ..... lb. 4.07 - —
yellow, NF, fib. dms ..... lb. 4.22 - —
Meta (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms. ..... lb. 2.44 - 2.48
Mesityl oxide, dms., c.l., dlvd. .... lb. .13 - —
l.c.l., dlvd ..... lb. .13½- —
tanks, dlvd ..... lb. .11½- —
Metaldehyde, dms., works ..... lb. .78 - 1.00
Metachlorantilin, dms., works ... lb. .78 - —
Metacresol, 99%, dms., c.l., works lb. .55 - —
l.c.l., works ..... lb. .56 - —
Metaparaisopropylphenol, dms., c.l., lb. .21 - —
l.c.l. ..... lb. .23 - —
tanks ..... lb. .20 - —
Metanitroparatoluidin, bbls ..... lb. 1.20 - —
Metaphenylenediamine, kgs ..... lb. .78 - —
Metatoluidine, bbls. works ..... lb. .80 - —
Metatolylenediamine, kgs ..... lb. .85 - —
Methanol, natural, dms., c.l., frt. alld gal. .58 - —
l.c.l., frt. alld ..... gal. .61 - —
tanks, frt. alld ..... gal. .60 - —

Prices on natural methanol W. of Miss. 3c. higher.

synthetic, zone 1, dms., c.l., frt. alld gal. .38 - —
l.c.l., frt. alld ..... gal. .41 - —
tanks, frt. alld ..... gal. .26 - —
zone 2, dms., c.l., frt. alld gal. .43½- .45
l.c.l., ex whse ..... gal. .47½- —
tanks, frt. alld ..... gal. .29½- .31

Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. cans, frt. alld., 50-lb. or more lb. 4.55 - —
feed grade, 98%, same basis. lb. 3.00 - —
Methoxychlor, dealers dms., cs., 97%, same basis ..... lb. 2.97 - —
works lb. .89 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .17 - —
l.c.l., same basis lb. .17½- —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 .. lb. .17¼- —
c.l. same basis lb 17¾ —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetoacetate, dms., c.l., dlvd lb. .53 - —
l.c.l., dlvd ..... lb. .54 - —
tanks, dlvd ..... lb. .51½- —
Methyl acetoacetate prices frt. alld. W., 4c. higher.
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld. gal. .60 - —
l.c.l., same basis ..... gal. .71 - —

Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher.

Group B dms., incl., E. Miss., frt. alld., any quantity gal. .50 - —
synthetic, dms., c.l., works, frt. alld. E gal. .53 - —
frt. alld. W ..... gal. .57 - —
l.c.l., works, frt. alld. E gal. .56½- —
frt. alld W ..... gal. .60½- —
tanks, works, frt. alld. E gal. .43½- —
frt. alld. W ..... gal. .47 - —

Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Acrylate, dms., c.l., and truckload, works. lb. .50 - —
less than truckload, works lb. .50½- —
Alconol (see Methanol).
Anthranilate, 100 lbs. or more lb. 2.10 - 2.90
extra ..... lb. 4.00 - 4.40
Benzoate, cns ..... lb. .55 - 1.20
Bromide, dealers, cns ..... lb. .69 - .71
cyls ..... lb. .80 .78
Chloride, indust., cyl., works lb. .17 - —
tanks, multi-unit, works lb. .13 - —
single-unit works lb. .10½- —
refrigerator mfrs., cyls., dlvd. lb. .37 - —
other consumers or service men, cyls., dlvd lb. .42 - —
Cinnamate, cns ..... lb. 1.48 - 1.65
Cyclohexanol, dms., c.l., works lb. .24 - —
l.c.l., works ..... lb. .25 - —
tanks, works ..... lb. .23 - —
Formate, refd., dms ..... lb. .35 .40
tech., non-ret. dms., any quantity, works lb. .08 - —
tanks, works ..... lb. .07 - —
Iodide, bots., works ..... lb. 3.65 - 4.75
cbys., works ..... lb. 2.80 - 3.00
Lactate, dms., t.c.l., works ... lb. .35 - —
Methacrylate, dms., c.l. and truckload, works lb. .44½- —
less than truckload, works lb. .45 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms ..... lb. 1.90 - 2.00
Rosanilin chloride, USP, bot. lb. 5.17 - 5.27
Salicylate, USP, dms., 500 lbs lb. .42 - —
cans, 25-50 lbs. ..... lb. .47 - —
Testosterone, USP, 100 gms ... gm. 3.50 - —
Methylheptin carbonate, bots .... lb.35.00 -50.00
Methylal, refined, 95%, dms., c.l., works lb. .11 - —
l.c.l., works ..... lb. .12 - —
tanks, works ..... lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd ..... lb. .13½- —
tanks, dlvd ..... lb. .11½- —
Ketone, dms., works ..... lb. .95 - —
Methylcellulose, special viz., (4,000 cps.), fib. ctns., c.l., frt. alld. ..... lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs. lb. .75 - .80
Standard viz., (15-1,500 cps.), fib. ctns., c.l., frt. alld lb. .63 - —
2,000 lbs and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs. lb. .68 - .72
Methylene blue, USP, 100-lb. lots, kgs., frt. adjusted lb. 2.87 - —
smaller lots, kgs. same basis. lb. 3.02 - 3.20
Chloride, indust., dms., c.l., dlvd. E lb. .12½- —
l.c.l., dlvd E ..... lb. .13½- —
tanks, dlvd. E ..... lb. .11½- —
Methylethyl ketone, dms., c.l., dlvd. lb. .10½- —
l.c.l., dlvd ..... lb. .11 - —
tanks, dlvd ..... lb. .09 - —
Methylionone, A, cns ..... lb. 6.55 - 8.00
D, cns ..... lb. 7.50 - 9.55
Prime, cns ..... lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd ..... lb. .12¾- —
l.c.l., dlvd ..... lb. .13 - —
tanks, dlvd ..... lb. .11 - —
Methylnaphthyl ketone, cns ..... lb. 3.60 - 3.70
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone, dms., dlvd. lb. 1.40 - 1.45
Methylthionine chloride (see Methylene blue).
Mica dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .037½- —
roofing, 20 to 80 mesh, works lb. .033½- —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse., or frt. alld. E lb. .06½- —
extra fine, bgs., c.l., works, frt. alld., E lb. .03¾- —
l.c.l., ex whse. or frt. alld. E lb. .06½- —
Mica, wet-grd., paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
rubber, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
white, extra fine, bgs., c.l., works, frt alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., 1c. higher, W of Rockies, 1c. higher
Milk powder, skimmed, roller, bbls., c.l lb. .10½- .10⅝
spray, bbls., c.l ..... lb. .12¼- .12¾
Whole, roller, bbls., c.l ..... lb. .28 - .33
spray, bbls., c.l ..... lb. .28½- .35½
Sugar, crude, bgs., c.l., works lb. .16½- —
edible, bbls., works, 30,000-lb. lots lb. .22 - —
2,000-lb. lots ..... lb. .22¾- —
200-1,800-lb. lots ..... lb. .23¼- —
USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb. lots ..... lb. .26¾- —
200-1,900-lb. lots ..... lb. .27¼- —
Molasses, blackstrap, tanks ..... gal. .09½- .10
New Orleans, tanks ..... gal. .08½- .09
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum mineral spirits).
Molybdenum metal, 99% Mo., powd., kgs lb. 2.60 3.00
pure, kgs., works, basis Mo. content lb. .96 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. alld. lb. .07 - .08½
l.c.l., works, frt. equald ..... lb. .08 - .09½
tanks, works, frt. equald ..... lb. .06 - .07
Monoethanolamine, dms., c.l., frt. alld. E lb. .27 - —
l.c.l., same basis ..... lb. .28 - —
tanks, same basis ..... lb. .25½- —
Monoethylamine, dms., c.l., frt. alld., basis 100% lb. .21½- —
l.c.l., same basis ..... lb. .22½- —
tanks, same basis ..... lb. .20 - —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .35 - —
l.c.l., same basis ..... lb. .35½- .36
tanks, same basis ..... lb. .31 - —
Monomethylaniliin, dms. works lb. .70 - —
Monononylnaphthalene, dms., c.l., works lb. .14 - —
l.c.l., works ..... lb. .15 - —
tanks, works ..... lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .59 - —
l.c.l., works ..... lb. .61 - —
tanks, works ..... lb. .49 - —
Morphine, cns ..... lb.12.40 -12.60
Acetate, cns ..... oz. 9.85 9.90
Hydrobromide, cns ..... oz. 9.80 - 9.90
Hydrochloride, NF, cns ..... oz. 9.90 10.00
Sulphate, USP, cns ..... oz. 9.90 -10.00
Morpholine, dms., c.l., works .... lb. .60½- —
l.c.l., works ..... lb. .61 - —
tanks, works ..... lb. .59 - —
Mountain ash berries, bgs ..... lb. .65 .75
Mullein flowers, cs ..... lb. 1.15 - 1.20
Leaves, bls. ..... lb. .16 - .18
Musk, nat., Tonquin, grains, bots. oz.25.00 -30.00
synthetic—Ambrette, 100 lbs. .. lb. 5.40 - —
25 lbs. ..... lb. 5.50 - —
5 lbs ..... lb. 5.65 - —
Ketone, 100 lbs. ..... lb. 4.95 - —
25 lbs. ..... lb. 5.05 - —
5 lbs ..... lb. 5.20 - —
Xylol, 100 lbs. ..... lb. 1.40 - —
25 lbs. ..... lb. 1.45 - —
5 lbs. ..... lb. 1.55 - —
Musk root, bls ..... lb. No prices.
Mustard seed, Calif., brown, f.o.b. source lb. .07¼- .07½
Danish, bgs., futures ..... lb. .10½- .11
Dutch, yellow, bgs., futures .. lb. .11 - .11½
English, yellow, bgs ..... lb. .11½- .12
Montana, brown, Sept.-Oct., bgs., source lb. .05 - .05½
Oriental, Sept.-Oct., bgs., source lb. .03 - .05¼
yellow, Sept.-Oct., bgs. source lb. .08½- .09
Washington, yellow, source, bgs. lb. .11 - .11½
Myrobalans, J1, assorted, ex dock. ton.52.00 - —
crushed, ex dock ..... ton.76.50 - —
J2, ex dock ..... ton.42.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M & P.).
Solvent (see S)
Naphthalene, dom., crude, 74° bgs., bbls., frt. equald .. lb. .07 - —
tanks, same basis ..... lb. .0425- —
78°, bgs., c.l., works, frt. equald lb. .0535- —
l.c.l., same basis ..... lb. .0560- —
bbls., c.l., same basis .... lb. .0525- —
l.c.l., same basis. ..... lb. .0560- —
dms., c.l., same basis .... lb. .0650- —
l.c.l., same basis ..... lb. .07 - —
tanks, same basis ..... lb. .0475- —
refined, industrial, bbls., c.l., frt. equald .. lb. .09 - —
bgs., c.l., same basis ..... lb. .08½- —
tanks, same basis ..... lb. .06 - —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .11 - —
cs., 50 lbs., c.l., same basis lb. .11¼- —
l.c.l. pkgs., c.l., same basis lb. .14 - —
imported, crude, 78°, 100-ton lots lb. .03¼- —
refined, 30,000-lb. lots ..... lb. .09¼- —
smaller lots ..... lb. .09¼- .10½
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 7.35
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y ton.14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y ton.18.25 - —

Nepheline syenite in bgs., $3 per ton higher than bulk.

Nereiin, cns ..... lb. 2.05 - 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd ..... lb. .50 - —
Carbonate, bbls., dlvd ..... lb. .48 - .50
Chloride, bbls., dlvd ..... lb. .24½- —
Cyanide, bots., dms ..... lb. 1.75 - 2.00
Formate, bbls., ton lots, frt. alld. lb. .46¾- .47¾
Metal, electro cathodes, cs .... lb. .40 - —
Nitrate, bbls., works ..... lb. .24½- .25½
Oxide, black, bbls ..... lb. .42 - —
Sulphate, bbls., c.l., dlvd ..... lb. .18 - —
t.c.l., dlvd ..... lb. .18½- —
Nicotinamide, USP, dms., frt. adjusted kilo.11.00 -11.30
Hydrochloride, dms., frt. adjusted kilo.10.50 -10.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs., dm.49.40 - —
tins, 10 lbs., dealers, frt. alld. on cases of 6 ..tin.10.85 - —
Nikethamide, bots., cbys ..... lb. 5.50 - 6.60
Nitercake, bulk, works ..... ton. No stocks.
Nitrobenzene, dbl. dist., dms., c.l lb. .09 - .09½
l.c.l. ..... lb. .10 - .11
tanks ..... lb. .06 - .06½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight lb. .28 - —
l.c.l., same basis lb. .29 - .31
18-25 cps., 250-400 sec., and 600-1,000 secs., bbls., c.l., same basis lb. .30 - —
t.c.l., same basis lb. .31 - .33
spirit-soluble, 30-35 cps, ¼, ½, 5-6 and 40-50 secs., bbls., c.l., same basis lb. .32 - —
t.c.l., same basis lb. .33 - .35

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

Nitroethane, dms., works ..... lb. .30 - —
Nitrogen solution, tanks, work., N. ton.120.00 -126.23
Nitrogenous process tankage, bulk, works, ammo., ship't., unit-ton. 3.90 - 4.00
Sewage sludge, bulk, works, unit ton. 3.25 + .40
Nitromethane, dms., t.c.l., works lb. .30 - —
Nitropropane, 1, dms., works ... lb. .30 - —
2, dms., works ..... lb. .30 - —
Nonylphenol, dms., c.l., works lb. .26 - —
l.c.l., works ..... lb. .27 - —
tanks, works ..... lb. .23 - —
Nutgalls, Aleppo, bgs ..... lb. .38 - —
Chinese, bgs. ..... lb. .32 - —
Istrian, bgs ..... lb. .31 - —
Nutmeg, East Indian, bgs ..... lb. .46 - .47
futures, bgs. ..... lb. .46 - .47
West Indian, bgs ..... lb. .34 - .35
futures ..... lb. .31 - .31½
Nux vomica, bls. ..... lb. .10 - .12
powdered, bbls., bxs ..... lb. .13 - .14

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l. gal. .19 - —
l.c.l. ..... gal. .21 - .60
tanks ..... gal. .13½- —
16°C., b.r. Bayonne, N.J., tanks .. gal. .16½- —
Octanol, normal, tech., dms., c.l., dlvd. lb. .34½- —
l.c.l., dlvd ..... lb. .36½- —
tanks, dlvd ..... lb. .32 - —
Octyl methacrylate, normal, dms., less than truckload, works. lb. .83 - —
Oil, abies siberica, cns ..... lb. 2.95 - 3.50
Almond, artificial, bitter (see Benzaldehyde)
natural, bitter, F.P.A., bots. lb. 3.25 - 3.00
NF, bots. ..... lb. 3.50 - 3.65
Sweet, dms., cns ..... lb. .58 - .60
Amyris, dms ..... lb. 1.55 - 1.95
Angelica root, bots ..... lb.75.00 -190.00
Seed, bots ..... lb.80.00 -100.00
Anilin (see A)
Anise, USP, Chinese, dms .... lb. .93 - 1.20
Apricot kernel, USP, dms .... lb. .44 - .60
Avocado, cns., dms ..... lb. 1.00 - 1.10
Babassu, crude, tankcars ..... lb. .17 - —
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.20 - 1.50
55-80%, cns. ..... lb. 1.20 - 1.60
West Indian, 50-55%, cns ... lb 1.20 - 1.60
Bergamot, artif., cns ..... lb. 2.00 - 3.25
natural, Italian, cns ..... lb. 4.30 - 4.60
Birchtar, crude, cns ..... lb. .80 - 1.76
rectified, NF, cns ..... lb. 4.10 - 4.25
Bois de rose, Brazil ..... lb. 3.45 - 3.95
Mexican (see Oil, Ignatius wood).
Bone, dms., works ..... gal. .65 - .70
Cajeput, tech., dms ..... lb. 1.65 - 2.00
redistilled, USP, cns ..... lb. 2.20 - 4.50
Calamus, cns ..... lb.20.00 -28.00
Camphor, sassafrassy, dms ..... lb. .25 - .60
white, dms. ..... lb. .25 - .60
Cananga, native, cns ..... lb. 4.50 - 4.60
rectified, cns. ..... lb. 5.00 - 5.50
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns ..... lb. 3.25 - 4.00
Cardamom, NF, bots ..... lb.50.00 -65.00
Cassia, USP, cns ..... lb. 2.50 - 2.85
Castor, blown, dms., c.l ..... lb. .21¼- —
dms., t.c.l. ..... lb. .21¾- —
dehydrated, bodied, dms., c.l lb. .23 - —
t.c.l. ..... lb. .23½- —
tanks ..... lb. .22 - —
unbodied, dms., c.l. ..... lb. .22 - —
t.c.l. ..... lb. .22½- —
tanks ..... lb. .21 - —
hydrogenated, dms., c.l., works, lb. .27 - —
t.c.l., same basis ..... lb. .28 - —
No. 3, tech., dms., c.l ..... lb. .18 - —
t.c.l. ..... lb. .18½- —
tanks ..... lb. .17 - —
sulphonated, 50% (48% fat), dms. lb. .12 - .14
75% (60-62% fat), dms ..... lb. .15¾- .16¾
tech., No. 1, Brazilian, tanks. lb. .16 - .16¼
USP, standard, dms., c.l ..... lb. .19¼- —
t.c.l. ..... lb. .19¾- —
tanks ..... lb. .18¼- —
refined and deodorized, dms., c.l. lb. .20¾- —
t.c.l. ..... lb. .21¼- —
Cedarleaf, USP, dms ..... lb. 1.75 - 2.00
Cedarwood, cns ..... lb. .40 - .55
dms. ..... lb. .32 - .50
Celeryseed, bots ..... lb.13.50 -18.50
Chaulmoogra, NF, cns., ems .... lb 55 70
Chinawood (see Oil, tung).
Cinnamon bark, bots ..... lb.22.00 -62.00
Leaf, Ceylon ..... lb. 1.50 - 1.75
Citronella, Ceylon, cns ..... lb. 1.10 - 1.50
Java-type, cns. ..... lb. 1.65 - 1.85
Clove, USP from buds, cns., ems. lb. 1.60 - 1.70
Coconut, crude, tanks, Atlantic ports lb. .15 - —
Pac. Coast ..... lb. .14 - —
refined, Cochin type, tax incl., dms., t.c.l. lb. .22 - —
deodorized, tax incl., dms., t.c.l. lb. .24½- —
Cod, Newfoundland, dms ..... lb. .08 - .09
Codliver, USP, dms ..... gal. 1.40 - 1.55
Coriander, bots. ..... lb.19.00 -25.00
Corn, crude, tanks, works ... lb. .13¼- —
foots, acid, 95%, tanks, dlvd. E lb. .03¾- —
raw, 50%, tanks, dlvd. E .. lb. .02 - —
refined, dms., New York .... lb. .19¾- .20¼
tanks, same basis ..... lb. .18¼- —
Costus, bots. ..... oz.19.75 - —
Cottonseed, crude, tanks, Southeast and Valley lb. .14¾- .15
foots, acid 95%, tanks, dlvd. E lb. .04¼- .04½
raw, 50%, tanks, dlvd. E .. lb. .01¾- —
refined, dms. ..... lb. .19¾- .20¼
tankcars ..... lb. .18¼- —
Creosote (see Creosote, coaltar).
Croton, NF, cns ..... lb. 4.75 - 5.50
Crude (see Petroleum, crude
Cubeb, cns. ..... lb. 7.00 - 7.50

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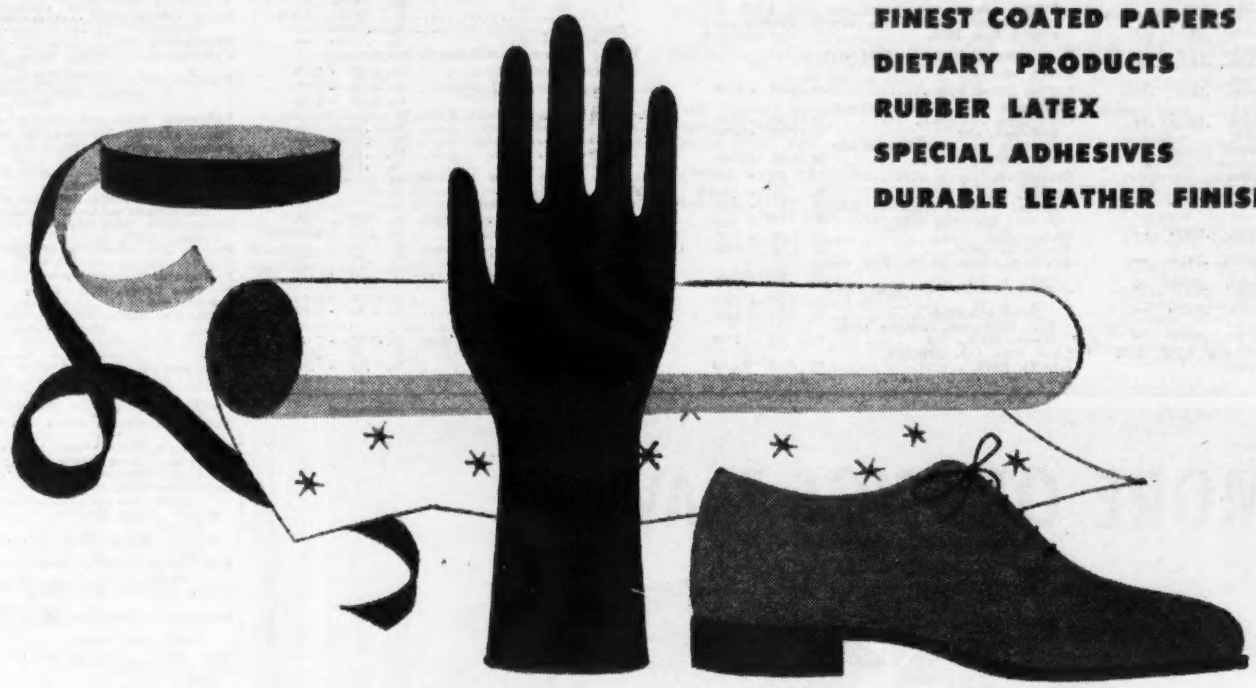

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Dillweed, bots., dms.....lb. 5.50 - 7.10
Dip (see D).
Erigeron, cns.....lb. 5.00 - 6.50
Eucalyptus, rectified, USP, 50-90%, cns..lb. .67 - .83
70-80%, cns.....lb. .55 - .78
Fennel, sweet, cns.....lb. 2.45 - 3.25
Fir, Canada, cns.....lb. 2.10 - —
Fishliver, crude, for feeds for concentrating, 6,000 to 12,000 A units, dms.....
1,000,000 units. .10 - .11
15,000 to 20,000 A units, dms.
1,000,000 units. .11 - .12
25,000 to 33,000 A units, dms.
1,000,000 units. .12½- .13½
40,000 to 55,000 A units, dms.
1,000,000 units. .14 - .16
Market prices on crude fishliver oil dependent upon conversion factor.
prime, natural, or concentrate, 100,000 A units, dms.,
1,000,000 units. .1674- —
200,000 A units, dms.....
1,000,000 units. .1767- —
300,000 A units, dms.....
1,000,000 units. .1900- —
400,000 A units, dms.....
1,000,000 units. .2090- —
500,000 A units, dms.....
1,000,000 units. .2185- —
700,000 A units, dms.....
1,000,000 units. .2280- —
Prices above are based on the USP XIII method of conversion, E x 1894.

Oil, fishliver, prime, nat. or concentrated, 100,000 A units, dms..1,000,000 units. .16 - —
200,000 A units, dms.....
1,000,000 units. .19 - —
300,000 A units, dms.....
1,000,000 units. .20 - —
400,000 A units, dms.....
1,000,000 units. .22 - —
500,000 A units, dms.....
1,000,000 units. .23 - —
700,000 A units, dms.....
1,000,000 units. .24 - —
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots.....oz. 8.00 - 9.00
Gautheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.15.50 -18.50
Bourbon, cns.....lb.17.00 -20.00
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.22.00 -25.00
Grapefruit.....lb. .60 - .90
Grease, No. 1, dms.....lb. .10¼- .10½
extra, Winter, strained, dms.lb. .11½- .12
prime, burning, dms.....lb. .12½- .13
Guaiacwood, cns.....lb. 1.60 - 1.90
Hemlock, cns.....lb. 1.75 - 2.00
Herring, crude, tanks, Pac. coast.
lb. No prices.
Juniper berry, NF VIII, bots.
lb. 2.50 - 3.00
twice rectified.....lb. 3.75 - 7.00
Tar, USP (see Juniper tar).
Wood, tech., cns.....lb. .65 - 1.00
Laurel (see Oil, grease).
Laurel, bots.....lb. 9.75 -12.50

Oil, lavandin, cns.....lb. 1.40 - 1.85
Lavender flower, French 30-32% ester, cns..lb. 2.10 - 3.25
38-42% ester, cns.....lb. 3.15 - 4.10
40-42% ester, cns.....lb. 3.85 - 4.75
Spike, Spanish, cns.....lb. 1.15 - 1.25
Lemon, USP, Calif., cns.....lb. 2.85 - 3.25
Messina.....lb. 2.75 - 5.25
terpeneless, bots.....lb.32.00 -65.00
Lemongrass, cns., dms.....lb. 2.00 - 2.25
Lignaloe, Brazilian (see Oil, bois de rose).
Mexican, cns.....lb. 3.35 - 5.20
Lime, distilled, Mexican, cns...lb. 6.25 - 6.75
West Indian, cns.....lb. 6.25 - 7.25
expressed, West Indian, cns..lb.13.00 -13.50
terpeneless, bot.....lb.45.00 -65.00
Linseed, raw, dms., c.l., Zone 3.
lb. .1850- —
l.c.l.....lb. .1910- .1950
tankcars.....lb. .1730- —
tankwagon.....lb. .1760- —
Boiled linseed oil .007 higher than raw.
Mace, dist., cns., dms.....lb. 3.30 - 3.70
Mandarin, Floridian, dms.....lb. 1.60 - 1.75
Italian, cns.....lb. 3.85 - 8.00
Menhaden, crude, tanks, Balto..lb. No stocks.
refined, alkali, dms.....lb. .1330- —
kettle-bodied, dms.....lb. .1480- —
light-pressed, dms.....lb. .1230- —
tanks.....lb. .1050- —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms..lb. .22½- .23
synthetic, cns., dms.....lb. 1.40 - 1.70
Neatsfoot, 15°, dms.....lb. .28 - .28½
20°, dms.....lb. .27 - .27½
30°, dms.....lb. .25 - .26
Neroli, French, bots.....lb.160.00 -175.00
Haitian, bots.....lb.85.00 -90.00
Niaouli, cns.....lb. 1.90 - 3.00
Nutmeg, dist., East Indian, cns., dms..lb. 3.35 - 3.65
West Indian, cns., dms....lb. 3.25 - 3.60
Ocotea cymbarum, dms.....lb. .70 - .95

Oil, olticica, liquid, drums.....lb. .19½- .20
tankcars.....lb. .18½- —
Oleo, extra, dms.....lb. .12¾- .13
Olibanum, bots.....lb. 4.50 - 7.65
extra fine, bots.....lb. 6.25 - 8.50
Olive, commercial, dms.....gal. 1.65 - 1.75
edible, dms., duty paid....gal. 1.90 - 2.10
foots, dms.....lb. .13¾- .13¾
Orange, sweet, dist., cns.....lb. .25 - .60
expressed, USP, Brazilian, cns., dms..lb. .95 - 1.25
Calif., cns.....lb. .55 - 1.00
Florida, cns., dms.....lb. .40 - 1.00
Messina, coppers.....lb. 2.85 - 5.50
West Indian, cns.....lb. 2.00 - 2.50
sesquiterpeneless, bots.....lb.55.00 -95.00
Origanum, Spanish, cs.....lb. 2.50 - 2.75
Palm, Congo, dms.....lb. .13½ Nom.
tankcars.....lb. No stocks.
Palmarosa, cns.....lb. 7.35 - 8.00
Palmkernel, crude, bulk, c.i.f. NY lb. No prices.
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery..gal. .11½- —
Patchouli, dms.....lb.21.50 -25.50
Peach kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, Southeast.
lb. .14¾- —
refined, dms.....lb. .19¾- .20
tanks, New York.....lb. .18 - —
Pennyroyal, USP, dom., cns..lb. No stocks.
imported, cns.....lb. 4.35 - 4.75
Peppermint, natural, dms.....lb. 6.25 - 6.75
redist., USP, dms.....lb. 6.60 - 7.25
Persic, USP (see Oil, apricot kernel).
Perilla, crude, dms.....lb. No stocks.
Petitgrain, Paraguay, cns.....lb. 1.85 - 2.25
Pimento berry, dms.....lb. 3.85 - 5.75
leaf, cns.....lb. 1.50 - 1.65
Pine, dest.-dist., dms., incl., c.l., works, South..gal. .60 - —
l.c.l., works, South....gal. .61 - —
ex whse., N. Y. C....gal. .72 - —
steam-dist., dms., ex whse., nonret. dms., incl., l.c.l., ex whse., N.Y.C. lb. .09½- —
Pineneedle, Siberian (See Oil, abies siberica).
Putty, petroleum, dms., c.l., divd.
lb. .11 - —
l.c.l., same basis.....lb. .12 - —
tanks, same basis.....lb. .10 - —
Rapeseed, tankcars.....lb. .15¼- —
Red, saponified, dms.....lb. .13 - .14¼
tanks.....lb. .11½- —
single dist., dms.....lb. .13¾- .15
tanks.....lb. .12¼- —
double dist., dms.....lb. .16¼- .17½
tanks.....lb. .14¾- —
Rice bran, clarif., dms.....lb. .14 - .14½
tanks.....lb. .12½- .13½
Rose, natural, Bulgarian, bots.....oz.23.00 -56.00
Rosemary, Spanish, tech., cns., dms..lb. .75 - 1.50
USP, cns., dms.....lb. .95 - 1.60
Rue, bots.....lb. 2.75 - 3.50
Safflower, dms., l.c.l.....lb. .1790- —
tanks.....lb. .1525 Nom.
Sage, clary, bots.....lb.13.50 -15.00
Dalmatian, cns.....lb. 6.25 - 7.00
Spanish, cns.....lb. 1.00 - 3.50
Sandalwood, NF, cns.....lb.11.50 -12.25
Sardine, crude, tanks, Pac. coast.
lb. .07⅜- —
refined, alkali, dms.....lb. .1330- —
kettle-bodied, dms.....lb. .1480- —
light-pressed, dms.....lb. .1230- —
tanks.....lb. .1050- —
Sassafras, artificial.....lb. .58 - .78
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP, cns., dms..lb. 1.75 - 2.30
Savin, cns.....lb. 2.75 - 3.00
Savory, cns.....lb. 8.00 —
Seal, 2% acid, duty extra, dms lb. No stocks.
Sesame, ref., dms., l.c.l.....lb. .31 - —
Shingle stain, bbls., c.l., works, gal. .27 - —
l.c.l., works.....gal. .30 - —
tanks, works.....gal. .19 - —
Snakeroot, Canada, cns.....lb.18.75 -25.00
Soybean, crude, tanks, mills...lb. .14 - —
foots, acid, 95%, tanks, divd. E. lb. .06¾- .07
raw, 50%, tanks, divd. E..lb. .03 - —
refined, alkali, dms., c.l....lb. .1760- —
l.c.l.....lb. .1820- .1860
tanks.....lb. .1640- —
clarified, dms., c.l.....lb. .1665- —
l.c.l.....lb. .1730- .1790
tanks.....lb. .1550- —
edible, dms.....lb. .18¼- .18¾
tanks.....lb. .1675- —
Spearmint, dms.....lb. 3.25 - 3.50
Sperm, bleached, winter, 45°, drums..lb. .1620- .1670
tankcars.....lb. .1520- —
natural, winter, 45°, dms....lb. .15 - .15¼
tankcars.....lb. .14 - —
Spruce, cns., dms.....lb. 1.75 - 2.00
Sunflower-seed, tmp., refined, tanks..lb. No prices.
semi-refined, tanks.....lb. No prices.
Sweet birch, Northern, cns....lb. 4.50 - 8.00
Southern, cns.....lb. 1.85 - 3.65
Tall, crude, tanks, works.....ton.40.00 - —
refined, dms., c.l., works....lb. .06 - —
l.c.l., works.....lb. .03¼- —
tanks, works.....lb. .05 - —
Tallow, acidless, dms.....lb. .10½- .11
Tansy, dms.....lb. 8.60 - 9.00
Tar, pine, coml., dms., incl., c.l., works, South..lb. .045 - —
l.c.l., works, South....lb. .0473- —
whse., N.Y.C.....lb. .0595- —
tanks, works, South....lb. .035 - —
rectified, NF, l.c.l., dms., incl., works, South gal. .60 - —
Tar acid (see T).
Teaseed, dms.....lb. No stocks.
Theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms....lb. 1.75 - 3.35
white, cns.....lb. 2.30 - 3.80
technical, white, cns.....lb. .40 - 5.00
Tung, dom., tanks, mills.....lb. .34 Nom.
imported, dms., c.l.....lb. .24 - —
l.c.l.....lb. .24½- .26
tanks.....lb. .23 - —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, NF, cns., dms..lb. .21 - .35
Vetiver, Bourbon, cns.....lb.13.00 -16.00
Haitian, cns.....lb.10.00 14.00
Java, cns.....lb. No prices.
Whale, ref., natural, dms....lb. No stocks.
Winter-bleached, dms.....lb. No stocks.
Wheat germ, 5-gal. dms.....gal.10.00 -13.00
White mineral, tech., 80-85 vis., dms., c.l., N. Y...gal. .43 - —
l.c.l., same basis....gal. .48 - —
65-75 vis., dms., same basis, gal. .44 - —
l.c.l., same basis.....gal. .49 - —
USP, 80-90 vis., dms., c.l., same basis..gal. .45 - —
125-135 vis., dms., c.l., same basis..gal. .53 - —
l.c.l., same basis....gal. .58 - —
145-155 vis., dms., c.l., same basis..gal. .60 - —
l.c.l., same basis....gal. .65 - —
175-185 vis., dms., c.l., same basis..gal. .62 - —
l.c.l., same basis....gal. .67 - —
200-210 vis., dms., c.l., same basis..gal. .65 - —
l.c.l., same basis....gal. .70 - —
335-345 vis., dms., c.l., same basis..gal. .69½- —
l.c.l., same basis....gal. .74½- —
Wintergreen, nat., Northern, cns. lb. 7.10 -14.50
Southern, cns.....lb. 3.75 -18.50
synthetic (see Methyl salicylate).

Flavor is the thing that makes your product stand out from others. And Exchange Oil of Orange *has* the flavor...that distinctive and preferred taste unique to oranges grown in the sunny, sheltered valleys of California.

Try Exchange Oil of Orange for yourself. Give it all your tests for *quality, uniformity* and *strength.* You'll like it...and you'll buy it!

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CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.
Producing Plant:
The Exchange Orange Products Co., Ontario, Calif.

Oil, wood (see Oil tung).
Wormseed, NF, cns lb. 4.25 - 4.45
Wormwood, cns lb. 6.80 - 7.50
Ylang-ylang, Bourbon, bots lb. 12.50 -12.75
extra, bots lb. No prices.
Madagascar, bots lb. No prices.
Olein crude (see Oil, red).
white, low titre, dms lb. .16¼- .17½
tankcars lb. .14¾- —
Oleostearin, bbls lb. .08¾- .09
Olivine, aggregate, c.l., mines ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works ton. 10.00 - —
paper, bgs., c.l., works ton. 12.00 - —
Opium, USP, cns lb. 19.20 -19.45
gran., USP, cns lb. 21.65 -21.90
powd., USP, cns lb. 21.65 -21.90
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.10 —
Chrome, CP, bbls., divd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis St. Paul lb. .25 - —

Chrome orange prices are ½c. higher, divd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago

Chrome dinitroanilin toner lb. 1.13 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld. lb. .1810- —
Molybdate lb. .40 - —
Persian, bbls lb. .30 - .45
Orange flowers, bls lb. .40 - .45
Orange peel, bitter, Haitian, bls lb. .13 - .15
Sweet, bls lb. .13 - .17
Oregano, Mexican, bgs lb. .16 - .16½
Portuguese, bgs lb. .18 - .18½
Sicilian, bgs lb. .17 - .18
Orris root, Florentine, bls lb. .20 - .25
powdered, bbls., bxs lb. .26 - .29
Verona, bls lb. .16 - .21
powdered, bbls., bxs lb. .22 - .23
Orthoaminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., same oasis lb. .33 - —
tanks, same basis lb. .31 - —
Orthoanisidin, obls lb. .80 - —
Orthochloroanilin, dms., 10,000 lbs. or more lb. .60 - —
smaller lots lb. .70 - —
Orthochloroparanitroanilin, dms., works lb. .63½- .67
Orthochlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., same basis lb. .28 - —
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt equald, lb. .1930- .2405
l.c.l., same basis lb. .1960- .2435
ret. dms., c.l., same basis lb. .1900- —
l.c.l., same basis lb. .1930- —
29° C. non-ret. dms., c.l., same basis lb. .1830- .2305
l.c.l., same basis lb. .1860- .2335
ret. dms., c.l., same basis lb. .1800- —
l.c.l., same basis lb. .1830- —
25 to 27° C, non-ret. dms., c.l., same basis lb. .1630- .2080
l.c.l., same basis lb. .1660- .2110
tanks, same basis lb. .1500- .1930
Orthodichlorobenzene, 50-lb. cns lb. .12½- —
100-lb. cns lb. .11½- —
dms., c.l., works, frt. alld. E. of Rockies lb. .08½- .09¼
l.c.l., same basis lb. .09½- .10¼
tanks, same basis lb. .07 - .07¾
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthoisopropylphenol, dms., c.l. lb. .29 - —
l.c.l. lb. .30 - —
tanks lb. .28 - —
Orthonitroanilin, dms lb. .50 .53
Orthonitrochlorobenzene, dms lb. .18 - .19
Orthonitrobiphenyl, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Orthonitroparachlorophenol, cns lb. .75 - —
Orthonitrotoluene, dms., c.l., works lb. .08 - —
l.c.l., works lb. .09 - —
tanks, works lb. .07 - —
Orthophenetidin, dms., works lb. .90 - —
Orthotoluidin, dms., c.l., works lb. .19 - —
l.c.l., same basis lb. .20 - —
tanks, same basis lb. .18 - —
Osage orange crystals, bbls., l.c.l lb. .33½- —
extract, liquid, bbls., l.c.l lb. .15½- —
Orthotolidin, (see Tolidine Base).
Ouabaine, USP, pots gram. 3.00 - 4.00
Ox gall, conc., gran., eb, dms., 5 lbs. and up lb. 2.50 - —
Oxyquinolin sulphate, cns., 100 lbs. works lb. 4.25 - —
smaller lots, works lb. 4.40 - 4.51

P

Pancreas substance, assay 1:75 lb. 5.75 - 6.25
Pancreatin, USP lb. 2.50 - 3.00
Panthenol, bots., works, frt. adjust. kilo. 90.00 - —
Papain, powd., NF, cs lb. 1.75 - 2.50
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots oz. 5.00 - —
smaller lots oz. 5.05 - 5.20
Sulphate, cns oz. 7.10 7.35
Paprika, Chilean, bgs lb. .29½- .30
Portuguese, bgs lb. .39 - .40
Spanish, bgs lb. .44 - .50
Para-anisidin, dms., works lb. .80 —
Parachlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., same basis lb. .28 - —
Parachloroanilin, dms., frt. alld. E. Miss lb. .70 - —
Parachloro-orthonitroanilin, dms lb. .63 - —
Paracresol, 98%, dms., works lb. .50 - —
Paracymene, dms., works, 50 gals. or more gal. 2.50 - —
smaller quantities gal. 3.00 - —
Paradibromobenzene, bgs., 500-lb. lots lb. .45 - —
Paradichlorobenzene, dms., c.l., works lb. .11 - .12
l.c.l., same basis lb. .12½- .14
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery lb. No prices.
121-123 ASTM, bbls., c.l., ref'y lb. No prices.
126-128 ASTM, bbls., c.l., ref'y lb. No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y lb. .0635- —
122-124 ASTM, loose, c.l., ref'y. lb. .0635- —
125-127 ASTM, loose, c.l., ref'y. lb. .0635- —
128-130 ASTM, loose, c.l., ref'y. lb. .0640- —
130-132 ASTM, loose, c.l., ref'y. lb. .0645- —
132-134 ASTM, loose, c.l., ref'y. lb. .0660- —
135-137 ASTM, loose, c.l., ref'y lb. .0795- —

Paraffin prices in bgs. and cns., 7/10c per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs., 3.7c. per lb. higher.

Paraformaldehyde, 94-95%, powd., dms., c.l., dlvd. N.Y. lb. .15½- .16¾
10,000 lbs. to c.l., same basis. lb. .16½- .16¾
1,000-9,999 lbs., same basis. lb. .17½- .17¾
less than 1,000 lbs., same basis lb. .19¼- .19½
94-95%, powd., dms., c.l., works. lb. .13 - —
10,000 lbs. to c.l., same basis. lb. .14 - —
1,000-9,999 lbs., same basis. lb. .15 - —
less than 1,000 lbs., same basis lb. .17 - —
91-92% flake, fib. dms., c.l., works. lb. .11 - —
10,000 lbs. to c.l., same basis. lb. .12 - —
1,000-9,999 lbs., same basis. lb. .13 - —
less than 1,000 lbs., same basis lb. .15 - —

Quotations on 91-92%, flake paraformaldehyde in the New York metropolitan area are on a delivered basis, 2½c. per lb. higher than works prices.

Paraldehyde, tech., 98% 55 gals., dms., l.c.l., works lb. .12½- .13¼
5-10-gal. dms., l.c.l., works lb. .16½- —
tanks, works lb. .10½- —
USP, cbys lb. .51 .53
Paranitroanilin, kgs., works lb. .46½- —
Paranitrochlorobenzene, kgs., works. lb. .19 - .20
Paranitrophenol, kgs., works, frt. equald lb. .40 - —
Paranitrotoluene, kgs., works lb. .30 - —
Paraphenetidin, dms., works lb. .80 - —
Paraphenylphenol, bgs., works lb. .28 - .29
Paraphenylenediamine, redistilled, dms., works lb. 2.00 - —
technical, refined, dms., same basis lb. 1.25 - 1.35
Paratertiarybutylphenol, bgs., c.l., frt. equald lb .21 - —
l.c.l., same basis lb. .22 - —
Parthion, spray powder, 15% tins, dealers lb. .72 - —
tech., dms., works lb. 1.50 - 2.50
Paratoluenesulphonamide, bbls., works lb. .70 - —
Paratoluidin, bbls., works lb. .55 - —
Pareira brava root, whole, bgs lb. .30 - .31
ground, bxs lb. .35 - .37
powder, bxs lb. .38 40
Paris green, dealer, distributor, dms., c.l., works, frt. alld, on 96 lbs. or over lb. .33 - .37
l.c.l., same basis lb. .34 - .38
Passion flower herb, bls lb. .35 - .40
Patchouli leaves, bls lb. No stocks.
Peanut meal, 45%, sacked, mill. ton. 75.00 - —
Pectin, citrous, NF, powd., bbls lb. 2.05 2.08
tech., powd., bbls lb. 1.43 1.43
Penicillin, crystalline, potassium, unlabeled, vials, 100,000 units vl. .102 - —
200,000 units vl. .15½- —
500,000 units vl. .23 - —
1,000,000 units vl. .52 - —
2,000,000 units vl. 1.00 - —
bulk, sterile, over 25,000,000,000 unit lots .100,000 units. .04 - —
tablet grade, over 25,000,000,000 unit lots 100,000 units. .03½- —
procaine, bulk, over 25,000,000,000-unit lots 100,000 units. .04½- —
Penicillin, sodium, unlabeled vials, 100,000 units vl. .10¾- —
200,000 units vl. .16 - —
500,000 units vl. .30½- —
1,000,000 units vl. .57 - —
2,000,000 units vl. 1.03 - —
bulk, over 25,000,000,000 unit lots 100,000 units. .04½- —
Pennyroyal leaves, bls lb. .40 - .45
Pentachlorophenol, dms., c.l., works, frt. equald lb. .20 - —
l.c.l., same basis lb. .23 - .28
truckload, 20,000 lbs., min., same basis lb. .20¼- —
Pentaerythritol, tech., bgs., c.l., works lb. .29 - —
l.c.l., works lb 31 .33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol)
Pentane, industrial, tanks, group 3 gal. .10½ 11½
Pepper, black lb. 1.39 - 1.40
Apr. afloat lb. 1.38 - 1.39
shipment lb. 1.38 - 1.39
Red, Carolina, longs, bgs lb. .38 - .39
Oct.-Nov. delivery, bgs lb. .36 - .37
Ethiopian, stemless, bgs lb. .32½- .33
Haitian, bgs lb. .60 - .61
Hontaka, bgs lb. .60 - .61
Louisiana longs, bgs lb. .40 - .41
Mexican sports, bgs lb. .35 - .36
Mississippi sports, bgs., source lb. No stocks.
Nigerian, caps, bgs lb. .39 - .40
birdseye, bgs lb. .70 - .70½
Sierra Leone, bgs lb. .45 - .46
Sudanese, small, bgs lb. .44 - .45
Turkish, bgs lb. .25 - .26
White, bgs lb. 2.40 - 2.45
Peppermint, USP, dom., bls lb. .50 - .70
imported, bls lb. .50 - .90

3 GOOD REASONS WHY IT ALWAYS PAYS TO USE JAVONELLA

- It's a manufactured article . . . free from the price fluctuations of natural essential oils such as Citronella, Sassafras, etc.
- Its high quality never varies, enabling you to manufacture uniformly dependable products.
- Always lower in cost than the natural oils, particularly now with citronella prices on the rise, its use results in production economies and higher profits without lowering quality standards.

WRITE FOR SAMPLE AND QUOTATION

AROMATIC CHEMICALS • ESSENTIAL OILS • PERFUME OILS • FLAVORS

FELTON CHEMICAL COMPANY, INC.
599 Johnson Ave., Brooklyn 6, N. Y.

BRANCHES IN BOSTON • PHILADELPHIA • LOS ANGELES
ST. LOUIS • CHICAGO • DALLAS • MONTREAL • TORONTO

Pepsin, NF—Phosphate Rock, Florida

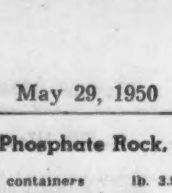
Pepsin, NF, bulk containers lb. 3.00 - —
Perchloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10¼ - —
l.c.l., same basis lb. .11 - —
tanks, same basis lb. .09¾ - —
dms., c.l., zone 1, works, frt. alld lb. .11 - —
zone 2, same basis lb. .11½ - —
zone 3, same basis lb. .12 - —
zone 4, same basis lb. .11½ - —
l.c.l., zone 1, same basis lb. .11¾ - —
zone 2, same basis lb. .12¼ - —
zone 3, same basis lb. .12¾ - —
zone 4, same basis lb. .12¼ - —
tanks, zone 1, same basis lb. .10½ - —
zone 2, same basis lb. .11 - —
zone 3, same basis lb. .11½ - —
zone 4, same basis lb. .11 - —

Perchloroethylene zones are.—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.

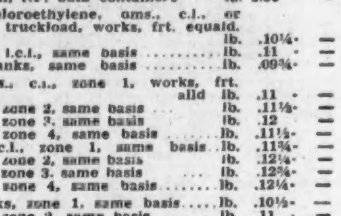
Peru balsam, dms. lb. .90 - 1.10
Petrolatum, USP, amber, dms., c.l., New York lb. .04½ - .04⅞
l.c.l., same basis lb. .05½ - .05¾
cream, dms., c.l., same basis lb. .05¾ - .06⅛
l.c.l., same basis lb. .07 - .08
extra amber, dms., c.l., same basis lb. .04⅞ - .05¼
l.c.l., same basis lb. .05¾ - .06
Petrolatum, USP, white lily, dms., c.l., same basis lb. .06 - .06⅜
l.c.l., same basis lb. .07¼ - .08¼
snow, dms., c.l., same basis lb. .06½ - .07⅛
l.c.l., same basis lb. .07½ - .08½
soft, dms., c.l., same basis lb. .06¼ - .06⅝
l.c.l., same basis lb. .07¼ - .07½
yellow, soft, dms., c.l., same basis lb. .04⅜ - .05
l.c.l., same basis lb. .05⅜ - .05⅞
Petroleum, crude bulk, at wells, California bbl. 1.10 - 2.00
Illinois bbl. 2.44 - 2.87
Kentucky bbl. 2.42 - 2.83
Louisiana-Arkansas bbl. 2.08 - 2.90
Montana bbl. 1.28 - 2.775
Oklahoma-Kansas bbl. 2.16 - 2.65
Pennsylvania, lower field bbl. 3.65 - —
Upper field bbl. 2.75 - 3.54
Texas, East bbl. 2.65 - —
Gulf coast bbl. 2.38 - 2.93
North, North-Central bbl. 2.23 - 2.65
Panhandle bbl. 2.23 - 2.65
West bbl. 2.10 - 2.65
Wyoming bbl. 1.28 - 2.275
Ether, laboratory, 30°-60° C. cns., dlvd. E gal. 1.50 - —
dms., c.l., group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
35°-60° C. 10-gal. cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
40°-75° C. 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
90°-160° C. ret. dms., ex tax, f.o.b San Francisco gal. .57 - —
Petroleum, fuel oil, bunker C, No. 6, California, heavy tanks, refinery bbl. 1.25 - 1.55
light, tanks, refinery bbl. 1.65 - 2.10
eastern, tanks, Albany, N. Y. bbl. 2.35 - —
Baltimore, Md. bbl. 2.06 - —
Boston, Mass. bbl. 2.10 - —
Charleston, S. C. bbl. 2.03 - —
Jacksonville, Fla. bbl. 2.03 - —
New York, N. Y. bbl. 1.90 - 2.10
Norfolk, Va. bbl. 2.08 - —
Philadelphia, Pa. bbl. 2.08 - —
Portland, Me bbl. 2.13 - —
Providence, R. I. bbl. 2.075 - —
Savannah, Ga. bbl. 2.03 - —
Diesel, tanks, refinery, California, gal. .081- .115
Pennsylvania gal. .09 - .0925
Furnace, tanks, refinery, Arkansas, No. 2 gal. .0775- —
No. 3 gal. .07375- —
Bayonne, N. J., No. 2 gal. .081 - —
Group 3, No. 1 gal. .0825- .08625
No. 1, straw gal. .0825- .08625
No. 2, straw gal. .07625- .085
range gal. .0625- .0875
Pennsylvania, western, No. 1 gal. .095 - .10
No. 2 gal. .0925- .095
No. 3 gal. .09 - .0925
Lacquer diluent, California, 170-225 F. b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
255 F. b.r., tanks, ex-tax, Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery gal. .16½- —
Petroleum, lacquer diluent, group 3, benzol-type, tanks, refinery gal. .12125- —
toluol-type, tanks, refinery gal. .11125- .11375
Mineral spirits, California, 170-235 b.r., tanks, ex tax, f.o.b. San Francisco gal. .152 - —
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis gal. .152 - —
305-362 b.r., tanks, same basis gal. .142 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-455 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N. J., N. Y., refinery gal. .14½- —
group 3, tanks gal. .09875- —
tankwagon, Baltimore gal. .18 - —
Boston gal. .16½- —
Buffalo gal. .17 - —
Newark gal. .15½- —
New York gal. .15½- —
Philadelphia gal. .14 - —
Pittsburgh gal. .175 - —
Providence gal. .17 - —
Rochester gal. .18½- —
Syracuse gal. .19½- —
Washington, D. C gal. .18 - —
Naphtha, cleaners, East Coast, tanks, N. J., N. Y., refinery gal. .14½- —
Group 3, tanks gal. .10875- —
tankwagon, Newark gal. .15½- —
New York gal. .15½- —
Philadelphia gal. .14½- —
high-flash, 140° F, group 3, refinery, tanks gal. .13 - .145
200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or terminal gal. .20 - .21
25-26° C., m.a.p., tanks, same basis gal. .19½- .24
270-370 b.r., 78-81° C, m.a.p., tanks, same basis gal. .23½- —
49° C., m.a.p., tanks, same basis gal. .26½- —
26-27° C., m.a.p., tanks, same basis gal. .19½- .25½
300-400 b.r., 28-32° C., m.a.p., tanks, same basis gal. .19½- .27
340-410 b.r., 27° C., m.a.p., tanks, same basis gal. .20 - —
32° C., m.a.p., tanks, same basis gal. .19½- —
36° C., m.a.p., tanks, same basis gal. .20½- —
340-440 b.r., 32° C., m.a.p., tanks same basis gal. .24¾- .27
360-480 b.r., 25° C., m.a.p., tanks, same basis gal. .19½- —
V.M.&P., ref'y, California, 245-360 b.r., Los Angeles gal. .147 - —
Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash. gal. .158 - —
East coast, N. J., N. Y., tanks gal. .15½- —
Group 3, tanks gal. .10875- —
tankwagon, Boston gal. .18 - —
Newark gal. .17 - —
New York gal. .17 - —
Philadelphia gal. .165 - —
Pittsburgh gal. .185 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast, N. J., N. Y., gal. .15½- —
Group 3 tanks gal. .10375- .11375
Pennsylvania, western, tanks gal. .1225- —
Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 - .195
East coast, N. J., N. Y., tanks gal. .14½- —
tankwagon, Boston gal. .16½- —
Newark gal. .15½- —
New York gal. .15½- —
Philadelphia gal. .14½- —
Pittsburgh gal. .175 - —
Syracuse gal. .19½- —
Sulphonate, 70% sulphonic content, ret. dms., c.l., works. lb. .1715- —
l.c.l., works lb. .1750- —
tanks, works lb. .1525- —
50% sulphonic content, ret. dms., c.l., works lb. .1365- —
l.c.l., works lb. .1400- —
tanks, works lb. .1175- —
Phenobarbital, USP dms., 100 lbs. lb 4.00 4.35
Phenobarbital-sodium, USP, dms lb. 4.00 4.10
Phenol 90-92% (cresol, d-10%), dms., c.l., frt. alld. and frt. equald E. of Rockies. lb. .1375- —
l.c.l., same basis lb. .1450- —
tanks, same basis lb. .1200- —
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .1375- —
l.c.l., same basis lb. .1450- —
tanks, same basis lb. .1200- —
USP, synthetic, dms., c.l., same basis lb. .14½- —
l.c.l., same basis lb. .15¼- .17¼
tanks, same basis lb. .12¾- —
tar distilled, dms., c.l., same basis lb. .14¾- —
l.c.l., same basis lb. .15½- —
tanks, same basis lb. .13 - —
Phenolphthalein, USP or yellow bbls., dms., 2,000 lbs. lb. 1.00 - —
smaller lots lb. 1.02 - 1.07
Phenothiazin, NF fib. dms., 18,000 lbs., frt. adjusted lb. .44 - —
smaller lots, frt. adjusted lb. .46 - —
Phenylacetaldehyde solution, 50%, bots. lb. 2.45 - 2.65
100%, bots. lb. 4.00 4.75
Phenylacetamide, 125-lb. dms., works, lb. lots lb. 1.25 - —
smaller dms. lb. 1.30 - 1.60
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb. 30.00 -37.50
Phenyldiethanolamine, dms., c.l., works lb. .35½- —
l.c.l., works lb. .36½- —
Phenylethanolamine, dms., c.l., works lb. .67½- —
l.c.l. same basis lb. .68½- —
Phenylethyl acetate, dms. lb. 1.45 - 2.70
Phenylethylphenyl acetate, bots lb. 3.75 - 6.00
Phenylhydrazin base, CP, bots lb. 3.00 - 3.07
Hydrochloride, commercial, kgs., works lb. 1.75 - —
CP, bots., works lb. 5.12 - —
Phenylmethylpyrazolone (see Methylphenylpyrazolone).
Phloroglucinol, CP, fib. dms. works. lb. 13.75 -15.75
commercial fib. dms., works lb. 5.50 - 7.00
tech., fib. dms., works lb. 9.65 -10.75
Phosgene, 150-lb. cyls., works lb .20¼- —
Phosphate, defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports ton. 35.00 - —
Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine long ton. 3.755 - —
70%-68%, b.p.l., c.l., same basis long ton. 4.155 - —
72%-70%, b.p.l., c.l., same basis long ton. 4.805 - —
75%-74%, b.p.l., c.l., same basis long ton. 5.805 - —
77%-78%, b.p.l., c.l., same basis long ton. 6.905 - —

Dow Serves American Industry

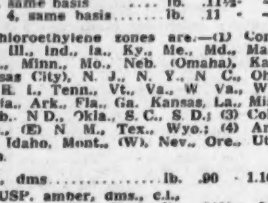
PHENOL, U. S. P.



Phenol is required in the manufacture of new bonding agents used to make exterior plywood stronger and better.



It is also used in refining lubricating oils and making oil additives.



Phenol is widely used in thermo-setting molding resins.

Dow is one of the world's foremost producers of Phenol and is prepared to supply this increasingly important chemical to meet the specific requirements of any industry.

For complete information covering both technical and service questions consult Dow.

ALSO AVAILABLE ARE:

Aniline
Diethylene Glycol
Epsom Salt
Caustic Soda
Sodium Sulfide

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MIDLAND, MICHIGAN

or telephone the nearest DOW branch office

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Cleveland.....TOwer 1-5825
Detroit.....TRinity 2-8186
Houston.....CHarter 3506
Los Angeles.....TUcker 3181
New York.....PLaza 7-8300
Philadelphia...Rittenhouse 6-2280
St. Louis.....NEwstead 4977
San Francisco....GArfield 1-8323
Seattle.....SEneca 6488
Washington.....REpublic 6608

Dow Chemical of Canada, Limited, Toronto.....WAverly 8353

DOW
CHEMICALS
INDISPENSABLE TO INDUSTRY AND AGRICULTURE

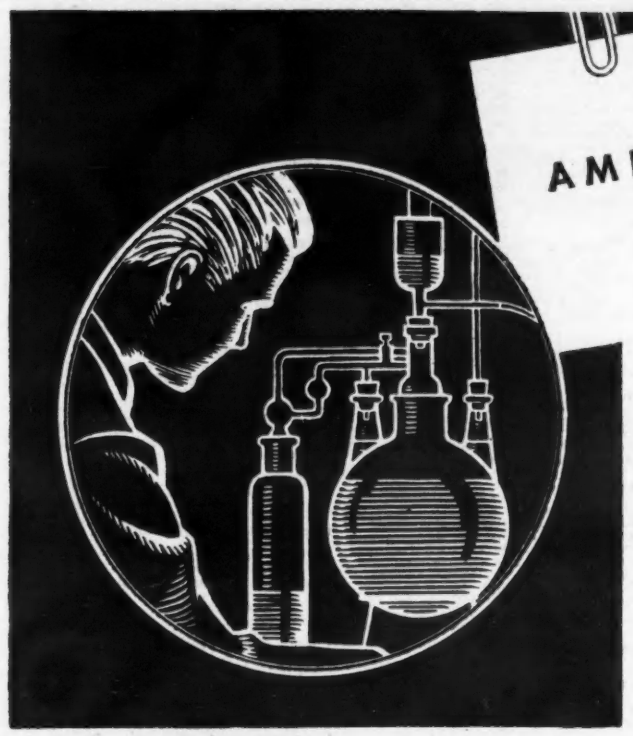
Phosphate rock, Fla., finely ground, 65% b.p.l., basis 30% P_2O_5 minimum
short ton. 4.93 - —
68%, b.p.l., basis 31% P_2O_5 minimum short ton. 5.28 - —
70%, b.p.l., basis 32% P_2O_5 minimum short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5
long ton. 6.45 - —
30-29% P_2O_5 long ton. 7.21 - —
Phosphorus, red, amorphous, cs. lb. .33 - .36
tins, export lb. .34 - .37
Yellow, cns. lb. .30 - .37
dms., c.l. lb. .26 - —
Oxychloride, dms., works lb. .13 - .16
Pentasulphide, dms., c.l., works lb. .11 - —
l.c.l., dms., works lb. .12 - .13
Pentoxide, dms., c.l., works lb. .12 - —
c.l., works lb. .13 - .14
Sesquisulphide, tins, cs., works. lb. .23 - .29
dms., export lb. .33½ - .36
Trichloride, dms., c.l., works lb. .13 - —
l.c.l., works lb. .14 - .17
Phthalic anhydride, bgs., c.l., works, frt. equald lb. .17½ - —
l.c.l., same basis lb. .18½ - —
Bbls. ½c. per pound higher.
Phthalimide, bbls., works lb. 1.10 - 1.37
Pichi leaves, bgs lb. .08 - .10
Picoline (see Alphapicoline and Betapicoline).
Pilocarpine hydrochloride, NF, bots., vials oz. 5.25 - —
Nitrate, USP, bots., vials oz. 5.20 - —
Pimento, Jamaica, bgs lb. .21 - .21½
Pinetar, retort, dms., incl., c.l., works, South lb. .045 - —
l.c.l., same basis lb. .0473 - —
whse., N.Y.C. lb. .0595 - —
tanks, works, South lb. .035 - —
Pinkroot, bls. lb. 1.55 - 1.65
Piperidine, 95%, wns., frt. equald. lb. 1.65 - —
93%, dms., same basis lb. 1.75 - —
Piperazine hexahydrate, bots. kilo. 12.50 - 13.25
Pipsissewa herb (see Prince's pine).
Pitch, burgundy, dms. incl., 20 or more dms., works, South. 100 lbs. 7.16 - —
whse., N. Y. C. 100 lbs. 8.08 - —
5 to 19 dms., works, South 100 lbs. 7.36 - —
whse., N. Y. C. 100 lbs. 8.28 - —
1 to 4 dms., works, South 100 lbs. 7.61 - —
whse., N. Y. C. 100 lbs. 8.53 - —
Coaltar, 150° F. m.p., bbls., c.l., works ton. 34.00 - —
l.c.l., works ton. 36.00 - 37.00
Cottonseed, dms., works lb. .05 - .07
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms. lb. .06 Nom.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse., East 100 lbs. 4.67 - —
Soybean, dms., works lb. .04½ - .05
Plaster of paris (see Gypsum).
Platinum metal, works oz. 66.00 - 69.00
Pokeroot, bls lb. .13 - .14
Pleurisy root, bls lb. .25 - .26
Podophyllin, NF dms lb. 12.45 - —
Polystyrene, colors, special, bgs., over 30,000 lbs., frt. alld lb. .30 - —
20,000-29,999 lbs., same basis lb. .30 - —
10,000-19,999 lbs., same basis lb. .30½ - —
200-9,999 lbs., same basis lb. .31 - .60
standard, bgs., over 30,000 lbs., same basis lb. .30 - —
20,000-29,999 lbs., same basis lb. .30 - —
10,000-19,999 lbs., same basis. lb. .30½ - —
200-9,999 lbs., same basis lb. .30½ - —
crystals, heat-resistant, bgs., over 30,000 lbs., same basis lb. .25½ - .27
20,000-29,999 lbs., same basis lb. .26½ - .28
10,000-19,999 lbs., same basis lb. .27½ - .29
200-9,999 lbs., same basis lb. .27½ - .29
standard, bgs., over 30,000 lbs., same basis lb. .25½ - —
20,000-29,999 lbs., same basis lb. .26½ - —
10,000-19,999 lbs., same basis lb. .27½ - —
200-9,999 lbs., same basis lb. .27½ - —
Polystyrene in non-returnable fiber dms., ½c. per lb. higher.
Pomegranate root bark, bgs lb. .68 - .70
Poppy flowers, bls lb. .50 - 1.05
Seed, Czech, bgs lb. .12¾ - .13
Dutch, bgs. lb. .15½ - .16
Polish, bgs. lb. .14 - .14½
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 9.75 - —
l.c.l., works 100 lbs. 10.50 - —
liquid, 45%, dms., c.l., works, 100 lbs. 4.525 - —
l.c.l., works 100 lbs. 5.025 - —
tanks, works 100 lbs. 4.20 - —
solid, 90%, dms., c.l., works. 100 lbs. 9.15 - —
l.c.l., works 100 lbs. 9.90 - —
regular, flake, 88-92%, dms., c.l., works. lb. .0815 - —
l.c.l., works lb. .089 - —
liquid, 45% basis, dms., c.l., works. lb. .03725 - —
l.c.l., same basis lb. .0450 - —
tanks, same basis lb. .0340 - —
solid, 88-92%, dms., c.l., works. lb. .0755 - —
l.c.l. works lb. .0830 - —
Potassium abietate lb. .08 - —
Acetate, USP, dms lb. .31 - .36
Bicarbonate, USP, gran., dms. lb. .20 - .22
powd., dms lb. .22 - .24
Bichromate, bgs., works lb. .13¼ - .14¼
Potassium bichromate in drums, ¾c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works. ton. 192.00 - —
ton lots, works ton. 245.50 - —
less ton lots, works ton. 250.50 - —
Bromate, bbls., 1,000 lbs. or more. lb. .48 - —
25-200-lb. lots lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works lb. .0780 - —
l.c.l., same basis lb. .0855 - —
hydrated, 83-85%, bbls., c.l., works lb. .06¼ - —
dms., l.c.l., works lb. .07 - —
USP, gran., bbls., dms lb. .16½ - .18
powd., bbls., dms lb. .21 - .23
Chromate, tech., bgs lb. .25 - .29

Potassium, chlorate, cryst., dms., c.l., works lb. .089 - —
l.c.l., works lb. .0915-.1015
powd., dms., c.l., works lb. .094 - —
l.c.l., works lb. .0965-.1065
export, dms., 1 to 10 tons, ex whse lb. .12 - —
NF, gran., dms lb. .31 - .33
Chloride, USP, cryst., dms lb. .26 - .27
gran., bbls lb. .20 - .22
powd., bbls lb. .29 - .32
Citrate, USP, gran., dms lb. .37½ - .38½
powder, dms. lb. .40½ - .41½
Cyanide, dms., works lb. .52½ - .55
Fluoride, dms., works lb. .24 - —
Gluconate, dms. lb. .75 - .79
Glycerophosphate, 75% solution, cbys lb. 2.05 - 2.20
Guiacol sulphonate, NF, dms lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars lb. .35 - —
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots and less, fib. dms lb. .90 - .93
Iodide, dms lb. 1.95 - 1.98
Manure salt, 22% K_2O, bulk, mines unit-ton. .30 - —
25% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls lb. .21 - —
powd., bbls lb. .25 - —
Muriate, dom., 60%, K_2O, bulk, Carlsbad, N. M. unit-ton. .37½ - —
Trona, Cal unit-ton. .45½ - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech. fine gran., bbls., dms lb. .30 - .32
purified, dms. lb. .42 - .44
Perchlorate, dms., l.c.l. lb. .14 - .15
kgs., c.l., works lb. .13½ - —
Permanganate, tech., dms., works, lb. .21¼ - .22¾
USP, dms., works lb. .23½ - .24
ex whse lb. .29 - —

Potassium, persulphate, dms., c.l., works lb. .17 - —
l.c.l., works lb. .21 - —
Phosphate, tetrabasic, bbls., wks. lb. .13 - .13½
Prussiate, red, kgs lb. .60 - .63
yellow, bbls lb. .21 - —
kegs lb. .26 - —
Ricinoleate, tech., bbls lb. .11 - —
Silicate, glass, bgs., c.l., wks. ton. 200.00 - —
l.c.l. 100 lbs. 15.25 - —
solution, 29° Be, ret. dms., c.l., works 100 lbs. 4.23 - —
l.c.l. 5 or more, works. 100 lbs. 5.00 - —
1-4 works 100 lbs. 5.50 - —
62° Be, net, dms., c.l., works. 100 lbs. 4.73 - —
l.c.l. 5 or more, works. 100 lbs. 5.50 - —
1-4, works 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works. 100 lbs. 6.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works 100 lbs. 7.00 - —
Silicofluoride, bbls. works lb. .07 - .08
Sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min. 90%, works ton. 32.50 - —
indust, bulk, works ton. 36.00 - —
NF, cryst., bbls lb. .31 - .33
gran., dms lb. .18½ - —
powder, dms lb. .16 - .16½
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, cryst., NF, dms lb. .75 - .81
tech. works lb. .45 - .50
Titanate, ctns., c.l., works lb. .12 - —
5 tons, works lb. .12¼ - —
1 ton or less, works lb. .12½ - .12¾

Phosphate Rock, Fla.—Propylene Oxide

Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-30% MGO, works ton. 14.50 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .45 - .55
Potassium-titanium oxalate, bbls., kgs lb. .65 - .70
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .52½ - .55
Pregnenolone gm. 4.00 - —
Acetate gm. 4.00 - —
Prickly ash bark, bls lb. .23 - .25
Berries, bgs lb. .55 - .75
Prince's pine herb, bls lb. .45 - .50
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works lb. 3.75 - 4.50
spot, 1,000 lb. lots lb. 4.50 - —
smaller lots lb. 4.00 - 5.00
Progesterone, USP, 100 gms gm. 4.50 - —
Propane, commercial grade, tanks, group 3 gal. .02¼ - —
Propionaldehyde, dms., c.l., works lb. .28½ - —
l.c.l., works lb. .29½ - —
tanks, works lb. .25 - —
Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms lb. 2.30 - 2.40
Propylene dichloride, dms., c.l. lb. .08½ - —
l.c.l. lb. .09½ - —
smaller containers lb. .12½ - —
tanks lb. .07 - —
Oxide, dms., c.l., frt. alld. E lb. .18½ - —
l.c.l., frt. alld. E lb. .19½ - —
tanks, frt. equald. E lb. .16½ - —



PARA AMINOSALICYLIC ACID

Calco

CALCO'S Bulk Pharmaceuticals:

Sulfadiazine U.S.P.
(powder, micro crystal and Calcomites)
. . . Sulfa Drug of Choice
Sodium Sulfadiazine U.S.P.
Sulfamerazine U.S.P.
(powder, micro crystal and Calcomites)
Sodium Sulfamerazine U.S.P.
Sulfanilamide U.S.P.
(powder, crystal, micro crystal)
Sulfathiazole U.S.P.
(powder, crystal, micro crystal and Calcomites)
Sodium Sulfathiazole U.S.P.
Sulfapyridine N.F.
Sodium Sulfapyridine
Sulfabenzamide
(powder, micro crystal and Calcomites)
Sodium Sulfabenzamide
Aminoacetic Acid N.F.
Calcium Pantothenate (Dextro)
Choline Chloride
Choline Citrate, Tri
Choline Dihydrogen Citrate
Choline Bitartrate
Cinchophen N.F.
(and sodium salt)
Folic Acid
Neocinchophen U.S.P.
Methylene Blue U.S.P.
(powder and crystal)
Nicotinic Acid U.S.P.
Nicotinamide U.S.P.
Nicotinamide HCl
Para Aminosalicylic Acid
(and sodium salt)
Phenothiazine N.F.
(regular and dranch grades for veterinary use)
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Riboflavin U. S. P.
Saligenin
TB-1
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Calco Para Aminosalicylic Acid, and its sodium salt, like other Calco products, are unexcelled in quality and suitable for parenteral as well as oral use.

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PHARMACEUTICAL DEPARTMENT · CALCO CHEMICAL DIVISION

AMERICAN Cyanamid COMPANY

BOUND BROOK, N. J.

Propyleneglycol, NF—Sodium Phenolsulphonate

Propyleneglycol, NF, dms., c.l., frt. alld. E. lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
tech., dms., c.l., frt. alld. E. lb. .16½- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 - —
Methylether, dms., c.l., frt. equald. lb. .18 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Propylthiouracil, bots., 50 kilos or more kilo. 55.00 - —
smaller lots kilo. 55.10 -55.50
Psyllium seed, black, bgs. lb. .22 - .25
blonde, bgs. lb. .19 - .21
husks, bgs. lb. .42 - .43
Pulsatilla herb, bls. lb. .45 - .50
Pumice, dom., grd., course, 0½, 1, 1½, 2, 3, bgs., ton lots. lb. .03¾- .04
Chicago, bgs., ton lots lb. .04½- —
smaller lots lb. .03¾- .04¼
Italian, silk-screen, coarse bgs., ton lots lb. .05½- —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs., ton lots lb. .02½- —
fine, bgs., ton lots lb. .02½- —
Pumice in bbls is ½c. per lb higher.
Pumpkin seed, bgs lb. .18 - .26
Purple lake (see Red).
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works lb. 11.00 -11.50
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works gal. 9.50 - —
regular base, dms., works gal. 9.40 - —
(30 to 1 base, 3 grams, pyrethrins, per 100cc, odorless base, bbls., works gal. 14.15 - —
regular base, dms., works gal. 14.05 - —
Flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .42 - .44
powder, 1.3% pyrethrins, bbls., works lb. .56 - .65
Pyrethrin, synthetic (see Allethrin)
Pyridin, denaturing, dms., works, and frt. equald., c.l. gal. 2.00 - 2.69
l.c.l. gal. 2.00 - 2.72
refd., 2°, non-ret. dms., c.l., same basis lb. .78½- —
l.c.l., same basis lb. .80 - —
Pyridoxine hydrochloride, 100-gram lots gram. .55 - —
Pyrites, Spanish, c.i.f. Atl. ports long-ton. 8.00 - —
Pyrocatchin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton. 11.00 -11.50
230 mesh, bulk, c.l., mines ton. 12.00 - —
325 mesh, bulk, c.l., mines ton. 15.00 - —
No. 3, 200 mesh, bulk, c.l., mines, ton. 9.50 - —
insecticide grade, 200 mesh, bgs., c.l., mines ton. 12.00 -12.50
rubber grade, 140 mesh, bgs., c.l., mines ton. 10.00 -10.50
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin scrap, opaque, amber, cs., works lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .13 - —
mixed, mottled, cs., works, lb. .12 - —
white, china, ivory, cs., works. lb. .17 - —
dense, cs., works lb. .16 - —
translucent, pastels, cs., works, lb. .17 - —
transparent, colorless, cs., works, lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. .14 - —
mixed, colors, cs., works lb. .14 - —
white, cs., works lb. .17 - —
USP, bots., dlvd lb. 9.54 - —

Q

Quassia chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb. .14¼- .15
liq., 35% tannin, bbls., works, lb. .08 - .08½
tanks, same basis lb. .07½- —
clarified, solid, 64% tannin, bgs., c.l., duty extra lb. .09 - —
powd., 70% tannin, bgs., c.l lb. .15½- —
ordinary, solid, 63% tannin, bgs., c.l., ex-dock, duty extra lb. .08½- —
Quebracho extract prices are based on $26.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .14 - .15
Quercitron crystals, bbls., l.c.l lb. .33½- —
Extract, liquid, bbls., l.c.l lb. .14½- —
solid, bxs lb. .28 - —
Quicksilver, flasks (76 lbs.) net, 100 flask lots flask. 70.00 - —
smaller lots flask. 73.00 -75.00
Quince seed, bgs lb. .90 - 1.50
Quinidine, NF, V, cryst., cns oz. 1.90 - —
powd., precip., cns oz. 1.85 - —
Sulphate, USP, cns oz. 1.25 - —
Quinine, NF, cns., 100 ozs oz. .70 - —
Bisulphate, USP, cns., 100 ozs oz. .51 - —
Dihydrochloride, USP oz. .70 - —
Ethylcarbonate, NF, cns., 100 ozs. oz. .75 - —
Hydrobromide, NF, cns., 50-oz. cns, oz. .63 - —
Hydrochloride, USP, cns., 100 ozs. oz. .63 - —
Phosphate, NF, cns., 100 ozs oz. .76 - —
Salicylate, NF, ctns., 100 ozs oz. .66 - —
Sulphate, USP, cns., 100 ozs oz. .56½- —
Quinine-urea hydrochloride, NF, cns lb. .68 - —
Quinolin, dms., c.l., works lb. .50¾- —
l.c.l., works lb. .51¼- —
tanks, works lb. .50 - —

R

R salt, paste, dry basis, dms. lb. .70 - .75
Raspberries, dried, bbls lb. 1.65 - 1.70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.45 - 2.26
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Red, cadmium, CP, dark shade, bbls., frt. alld., E. of Rockies lb. 3.65 - —
light shade, bbls., same basis lb. 3.50 - —
medium shade, bbls., same basis lb. 3.60 - —
medium-light shade, bbls., same basis lb. 3.55 - —
orange shade, bbls., same basis lb. 3.15 - —
lithopone, deep shade, bbls., same basis lb. 1.35 - —
light shade, bbls., same basis lb. 1.20 - —
maroon shade, bbls., same basis lb. 1.45 - 1.55
medium shade, bbls., same basis lb. 1.30 - —
medium-light shade, bbls., same basis lb. 1.25 - —
orange-red shade, bbls., same basis lb. 1.15 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar,
Eosin toner, bbls., works lb. 1.40 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .11¼- 11¾
Iron oxide, synth., bgs. lb. .11½- .11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis lb. .05¼- .09¼
special, high color, all shades lb. .60 - —
Lake C toner alizarin, bbls., works, lb. 1.05 —
Lithol toner, bbls., works lb. .65½- .80
Lithol-rubin toner, alizarin lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25%, kgs., works lb. .40 - .43
toner, bbls., works lb. 1.35 - 1.50
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb. 1.10 - —
Iron oxide, bgs., l.c.l., works lb. .04 - —
MNP1 toner, kgs., works lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb. higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb. 2.00 - —
smaller lots, works lb. 2.02 - —
Metallic, bbls., works lb. .02½- .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works lb. .06¾- .07
Para toner, bbls lb. .69½- .80
chlorinated, kgs lb. .95 - 1.05
concentrated alizarin lake, kgs., works lb. 80 - —
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 - —
Pink lake, alizarin, bbls., works lb. .20 - .25
Purple lake, kegs lb. 2.35 - —
Rose lake, alizarin, bbls., works lb. .25 - .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½- .05¾
l.c.l., ex dock lb. .05¾- .06
ex whse., New York lb. .06½- —
grade 2, bbls., c.l., ex dock lb. .05¼- .05½
l.c.l., ex dock lb. .05½- .05¾
ex whse., New York lb. .06¼- —
Toluidin toner (MNPT), kgs., works lb. 1.01 - 1.30
Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- —
20%, bgs., works lb. .0360- —
25%, bgs., works lb. .0410- —
30%, bgs., works lb. .0440- —
35%, bgs., works lb. .0465- —
40%, bgs., works lb. .0490- —
Vermilion, Amer., bbls lb. .32 - —
Quicksilver, ctns lb. 2.27 - —
Red Precipitate, NF, powd., fib. dms lb. 2.19 - 2.21
Red saunders wood, powd., bbls lb. .50 - —
Rennin, NF, lb. 6.50 - —
Resorcinol, resin grade, dms., c.l., works lb. .71 - —
l.c.l., works lb. .72 - —
tech., dms., c.l., works lb. .74 - —
l.c.l., works lb. .75 - —
USP, cryst., dms., works lb. 2.50 - —
powd., dms., works lb. 2.70 - —
Monoacetate, NF, dms lb. 3.25 - 3.45
Rhatany root, bgs lb. .15 - .16
Rhubarb root, China, whole, cs. lb. .95 - 1.00
powd., bbls lb. 1.10 - 1.15
India, whole, bgs lb. .55 - .60
powdered, bbls lb. .62 - .67
Riboflavin, USP, bots., dlvd kilo. 125.00 - —
Readily soluble, bots., dlvd kilo. 125.00 - —
Rice bran concentrate, dms., Cedartown, Ga lb. .79 - —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs lb. .27½- —
smaller lots .28 - .33
Rose flowers, pale, bls lb. .35 - .40
Rosemary flowers, bls lb. 1.55 - 1.65
Leaves, French, bls lb. .12 - .12½
Portuguese, bls lb. .07 - .07½
Spanish, bls lb. .06½- .07
Rosin gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 3.50 - —
FF, dms., c.l., works 100 lbs. 5.00 - —
G, H, I, dms., c.l., works 100 lbs. 5.35 - —
K, dms., c.l., works 100 lbs. 5.35 - —
M, dms., c.l., works 100 lbs. 5.35 - —
N, dms., c.l., works 100 lbs. 5.45 - —
WG, dms., c.l., works 100 lbs. 5.55 - —
WW, dms., c.l., works 100 lbs. 5.70 - —
X, dms., c.l., works 100 lbs. 5.80 - —
Rotenone, CP, bbls., works lb. 20.00 - —
tech., works lb. 16.50 - —
Rottenstone, bgs., c.l., mines ton. 36.00 - —
l.c.l., mines ton. 43.00 - —
Rue herb, bls lb. .35 - .40
Rutin, 10 kilos, fib. dms gram. .03½- .04¼
smaller lots, fib. dms gram. .04 - .05
Ryania, 100% powd., bgs., works lb. .20 - —

S

Sabadilla seed, powd., bbls lb. .60 - —
activated ground with lime, bbls lb. .35 - .36
Saccharin, USP, gran., soluble, 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.60 - 1.70
powd., soluble insoluble, dms., 1,000-lb. lots lb. 1.55 - —
smaller lots lb. 1.65 - 1.85
Safflower, Egyptian, bls lb. .75 - .80
Saffron, Mexican, bls lb. .95 - 1.00
Spanish, USP, tins lb. 17.00 -18.00
Safrol, dms. lb. .85 - 1.10
Sage, Cyprus, bales lb. .12 - .13
Dalmatian, bls lb. 1.20 - 1.25
Greek, fancy, bls lb. .24 - .25
Spanish, bls lb. .11 - .11½
Syrian, bls lb. .22 - .22½
Sage flour, bgs lb. .05½- .05¾
Saligenin, ctns lb. 14.00 - 25.00
Salol, NF, gran., bbls., kgs. lb. 1.00 - —
fib. dms lb. 1.03 - 1.03
powdered salol, 10c. higher.
Salt, rock, burlap bgs., c.l. 100 lbs. .98 - —
l.c.l. 100 lbs. 1.19 - 1.22
paper bgs., c.l. 100 lbs. .88 - —
l.c.l. 100 lbs. 1.09 - 1.12
Table, vacuum, common, fine, bgs., c.l., works 100 lbs. .98 - 1.08
l.c.l., dlvd. 100 lbs. 1.20 - 1.32
Saltcake, dom., bulk, dlvd, 100% Na_2SO_4 basis ton. 22.00 - —
Saltpeter, cryst., bbls., 10 tons, 100 lbs. 13.90 - —
smaller lots 100 lbs. 14.15 -14.40
gran., bbls., 50 tons 100 lbs. 9.25 - —
smaller lots 100 lbs. 10.50 -11.00
powd., bbls., 20 tons 100 lbs. 10.25 - —
smaller lots 100 lbs. 11.50 -12.00
NF, gran., dms lb. 15¾- .17¾
Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms. lb. .75 - .76
Sanguinarine nitrate, bots oz. 4.75 - 5.50
Santonin, NF, cryst., powd., cns. kilo. No stocks.
Saponin No. 1, cns lb. 2.45 —
Sarsaparilla root, dom., bls lb. .30 - .40
Honduras, bls. lb. .40 - .45
Mexican, bls. lb. .28 - .30
Sassafras bark, ord., bls lb. .35 - .40
select, bls lb. .50 - .55
Savory, French, bls lb. .13 - .13½
Spanish, bls lb. .11 - .11½
Saw palmetto berries, bgs. lb. .23 - .24
Scammony resin, lump, cns lb. 1.95 - 2.20
powd., cns. lb. 2.05 - 2.30
Root, bgs lb. .11 - .14
Schaeffer's salt, bgs lb. .66 - —
Scopolamine hydrobromide, bots oz. 16.00 -17.00
Hydrochloride, bots oz 84.00 —
Seidlitz mixture, bbls., 5,000 lbs. lb. .25¾- —
smaller lots lb. .26¼- —
dms., 100 lbs. or less lb. .27¼- .31¼
Selenium, powd., cns., 10-lb. lots lb. 2.10 - —
cs., 1,000-lb lots lb. 2.00 - —
Senega root, bls lb. 1.55 - 1.65
Senna leaf, Alex., half-leaf, bls lb. .22 - .24
sifting, bgs lb. .19 - .21
Tinnevelly, No. 1, bls lb. .17 - .24
No. 2, bls lb. .14 - .19
No. 3, bls lb. .10 - .11
Pods, bls lb. .12 - .15
powdered, bls., bxs lb. .16 - .22
Serpentaria root, bls lb. 2.20 Nom.
Sesame seed, Chinese, white, nat., bgs lb. .11 - .11½
hulled, bgs lb. .17½- .18
Nicaragua, hulled lb. .20½- .24
natural, bgs. lb. .12 - .12¼
Salvadorean lb. .12½- .13
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .48½- —
bbls., 1,500-lb. lots lb. .49 - —
kgs., 1,500-lb. lots lb. .51 - —
refined, bgs., 1,500-lb. lots lb. .58½- —
bbls., 1,500-lb. lots lb. .59 - —
kgs., 1,500-lb. lots lb. .61 - —
bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs lb. .40 - .41
No. 2, bgs lb. .38 - .39
Superfine, bgs., 10 bgs lb. .35 - .36
TN, bgs., 10 bgs lb. .33 - .34
Shellac in 1 to 9 bgs., 1c. more.
Silica amorph., dry-grd., 325 mesh, bgs., c.l., lil. works ton. 20.00 -30.00
l.c.l., works ton. 25.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 20.00 - —
l.c.l., works ton. 25.00 - —
140 mesh, bgs., c.l., works ton. 12.00 - —
l.c.l., works ton. 17.00 - —
Tetrachloride, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .18½- .20¼
Silver bullion, ingots, cs oz. .72¾- —
Cyanide, fib. dms., 2,500-oz. lots, oz. .66½- —
1,000-oz. lots oz. .66½- —
500-oz. lots ob. .66½- —
100-oz. lots oz. .67½- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .46½- —
1,000-oz. lots oz. .47¾- —
500-oz. lots oz. .48½- —
250-oz. lots oz. .48¾- —
USP granular silver nitrate, 4c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, NF, bots., dms., 1,000-oz. lots oz. .90 - —
Simaruba bark, bls. lb. .45 Nom.
Skullcap herb, Eastern, bls lb. .60 - .65
Western, bls lb. .30 - .35
Skunk cabbage root, bls lb. .30 - .35
Slate flour, bgs., c.l., works ton. 11.00 -12.00
l.c.l., ex whse ton. 20.00 -60.00
Sloe berries, bgs lb. .32 - .35
Smalt, black, ctns lb. .11½- —
Blue, ctns. lb. .15½- —
Snakeroot, Canada, bls lb. .40 - .45
Soapbark, bls lb. .22 - .23
crushed, bls., bbls lb. .24 - .25
cut, foreign, bbls lb. .25 - .26
powd., bbls lb. .29 - .30
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.35 - —
l.c.l., stock points 100 lbs. 2.75 - 4.52
bbls., c.l., works 100 lbs. 2.00 - —
l.c.l., stock points 100 lbs. 3.25 - 5.02
bulk, c.l., works 100 lbs. 1.10 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.25 - —
l.c.l., stock points 100 lbs. 2.65 - 4.42
bbls., c.l., works 100 lbs. 1.90 - —
l.c.l., stock points 100 lbs. 3.15 - 4.92
bulk, c.l., works 100 lbs. 1.00 - —
Caustic, flake, powd., 76%, dms., c.l., works 100 lbs. 3.45 - —
l.c.l. stock points 100 lbs. 4.80 - 6.67
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.40 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.40 - 2.50
70%, sellers' tanks, works, dry basis 100 lbs. 2.50 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.60 - —
solid, 76%, dms., c.l., works 100 lbs. 3.05 - —
l.c.l., stock points 100 lbs. 4.40 - 6.27
Sal, bgs., c.l., ex car 100 lbs. 1.58 - —
l.c.l., bgs., ex whse 100 lbs. 1.78 - —
Soda-lime, USP, dms lb. .23 - .28
Sodium acetate, anhyd., dms., works lb. .10 - .11½
NF, cryst., bbls., works lb. .16 - —
powder, bbls., works lb. .08 - .09
Alginate, refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls., works lb. .46 - —
NF, white, powd., dms., works, ton lots lb. 1.25 - —
smaller lots lb. 1.30 - 1.65
Aluminate, 20,000 lbs. or more, bgs. 100 lbs. 8.50 - —
under 20,000 lbs., works 100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E lb. .23¼- —
l.c.l., dlvd. lb. .24¼- —
Arsenate, dealers, dms., c.l., works, lb. .12 - —
Arsenite, dealers, dms., works lb. .13¼- .14¼
solution, dms., works gal. .60 - 1.00
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .30 - —
USP, bbls., dms., 100 lbs. or more lb. .46 - —
Sodium bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.35 - —
l.c.l., works 100 lbs. 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
l.c.l., works 100 lbs. 2.60 - —
Bichromate, bgs., works lb. .09¾- .10¼
Sodium bichromate, in drums, ¾c. higher.
Bifluoride, bbls., c.l., works, frt. equald. lb. .13¼- —
l.c.l., same basis lb. .13¾- —
Bisulphate, bulk, c.l., works 100 lbs. 1.75 - —
dms., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 2.90 - —
Bisulphite, powd., bags, c.l., works 100 lbs. 3.75 - —
l.c.l., works 100 lbs. 4.00 - —
solut. 35° bbls., c.l., works 100 lbs. 1.10 - —
l.c.l. works 100 lbs. 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works, lb. .33 - .34
Cacodylate, NF, jars, dms lb. 7.00 - 8.00
l.c.l., works 100 lbs. 1.50 - —
Carbonate, anhydrous (see Soda ash).
crystalline, decahydrate (see Soda, sal).
monohydrated, bgs., c.l., works 100 lbs. 2.55 - —
l.c.l., works 100 lbs. 2.75 - —
Chlorate, cryst., dms., c.l., works lb. .08 - —
l.c.l., works lb. .08¼- —
powd., kgs., works lb. .09½- —
USP, dms lb. .21 - —
Chloride, tech. (see Salt).
Chlorite, tech., dms., works lb. .75 - —
Chloroacetate, tech., dms., c.l., works lb. .20 - —
l.c.l., dms., works lb. .21 - .22
Chromate, dms., works lb. .11½- 12½
Citrate, anhyd, dms. lb. .60 - .65
USP VIII, dms lb. .21½- .26¼
USP XIII, gran., dms lb. .28 - .32
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., 1,000 lbs., works, lb. 1.10 - —
smaller lots, works lb. 1.25 - —
Cyanide, 96-98%, dms. lb. .16 - .18
Diacetate, 33-35% acidity, bbls., works lb. .11½- .12½
anhydrous, dms., works lb. .14 - .15½
Fluoride, white, 90%, bbls., c.l., works lb. .10½- —
l.c.l., works lb. .10¾- .11
95%, bbls., c.l., works lb. .10¾- —
l.c.l., works lb. .11 - —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb. 12.00 - —
2 to 25 tins to case, works lb. 12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb. 16.50 -21.00
tribasic, ton lots lb. 11.00 - —
Formate, bgs., c.l., dlvd. 100 lbs. 7.10 - —
l.c.l. 100 lbs. 8.15 - —
Gluconate, dms. lb. .83 - .85
Glutamate, monobasic, dms., c.l., dlvd lb. 1.53 - —
smaller quantities, dlvd lb. 1.54 - 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.80
powder, bbls. lb. 1.70 - 1.85
solution, 75%, cbys. lb. .96 - 1.06
Hydride, dms., works lb. 2.00 - 3.00
Hydrosulphide (see Sodium, sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .21 - —
l.c.l., frt. alld lb. .21½- .23¼
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms lb. .23 - —
Hypophosphite, NF, ton lots and less, dms lb. .85 - .88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald. 100 lbs. 3.50 - —
l.c.l., same basis 100 lbs. 3.90 - —
pea cryst., bgs., metro area 100 lbs. 3.75 - —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, bots., dms lb. 2.47 - 2.59
Lactate, edible, 50%, dms., cbys., works lb. .19 - —
60%, dms., cbys., works lb. .24 - —
tech., 50%, dms., cbys., works, lb. .13 - .14
Metaborate, octa-hydrate, gran., bgs., c.l., works ton. 73.00 - —
l.c.l., works ton. 118.00 -123.00
tetrahydrate, c.l., bbls., works, ton. 184.50 —
Sodium metaborate in bbls., $20 per ton higher.
Metal, tanks, works lb. .16 - —
bricks, dms., works lb. .17 - .18
Metanilate, bgs. lb. .57 - —
Metasilicate, anhyd., dms., c.l. 100 lbs. 4.25 - —
l.c.l., dms., works 100 lbs. 5.75 - —
pentahydrate, bgs., c.l., works, 100 lbs. 3.25 - —
l.c.l., bgs., works 100 lbs. 4.60 - —
bbls., c.l., works 100 lbs. 3.65 - —
l.c.l., bbls., works 100 lbs. 5.00 - —
Molybdate, anhyd., works lb. .54 - —
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls lb. .60 - .66
Nitrate, crude, dom., bgs., c.l., works ton. 48.50 - —
bulk, c.l., works lb. 45.00 - —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac. whse ton. 51.50 - —
bulk, c.l., same basis ton. 48.00 - —
USP, dms lb. .21 - —
Nitrite, 90%, bbls., c.l., works, frt. equald. lb. .06¾- —
West coast ports 100 lbs. 8.00 - 8.05
l.c.l., dlvd 100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 - —
l.c.l., same basis 100 lbs. 5.55 - 7.10
hydrated, flake, bbls., c.l., works, 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 5.50 - 5.75
Oxalate, neut., bgs., works lb. .09½- —
Para-aminobenzoate, dms., 1,000 lbs. or more lb. 3.50 - —
smaller lots lb. 3.65 - —
Para-aminosalicylate, dms., 1,000 lbs. or more lb. 5.25 - —
smaller lots lb. 5.30 - 6.25
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald. lb. .21½- —
l.c.l., same basis lb. .22½- .24¼
pellets, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .22 - .24
powd., bgs., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .21 - .23
Truckloads of pentachlorophenate of 30,000 lbs. min. available at ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works lb. .18¾- —
l.c.l., works lb. .19¼- —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .15 - —
l.c.l., same basis lb. .18½- .19
Phenolsulphonate, USP IX, gran., dms lb. .36 - .39
powd., dms. lb. .41 - .43

Sodium phosphate, dibasic, anhydr., bgs., c.l., works..100 lbs. 6.75 - 7.00
i.c.l., works.....100 lbs. 7.25 - 7.50
cryst., bgs. c.l., works. 100 lbs. 3.35 - 3.60
i.c.l., works 100 lbs. 3.75 - 4.00
USP, dried, powd., bgs., dms. works..lb. .19 - .20½
monobasic, anhyd., bgs., c.l., works 100 lbs.10.00 - —
i.c.l., works 100 lbs.12.85 - —
tribasic, cryst., bgs., c.l., wks., frt. equald..100 lbs. 3.75 - —
i.c.l., same basis 100 lbs. 4.25 - —
Sodium phosphates in bbls. 40c. higher than bgs.
USP (see Sodium phosphate dibasic)
Prussiate, yellow, bgs. lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald..100 lbs.10.50 - —
ferric, dms., 1,500 lbs., works. lb. .30 - —
smaller lots, works lb .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 6.90 - —
i.c.l., frt equald 100 lbs. 7.40 - —
Ricinoleate, tech., bbls.....lb. No stocks.
Salicylate, USP, dms ..... lb. .59 .62
Sesquicarbonate, bgs., c.l., works .. 100 lbs. 1.95 - —
i.c.l., divd. zone 1.....100 lbs. 3.70 4.10
zone 2.....100 lbs. 3.96 4.36
zone 3.....100 lbs. 4.25 4.65
zone 4 ..... 100 lbs. 4.96 5.35

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 93° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No of 31°; (3) Ark. W. of 96°, Kan., Neb. W of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

bbls. c.l. works 100 lbs. 2.45 —
Sesquisilicate, bbls., c.l., works. 100 lbs. 4.15 - —
i.c.l. divd 100 lbs. 5.40 5.65
Silicate, 40°, turbid., dms., c.l., works 100 lbs. 1.03 —
i.c.l., works 100 lbs. 1.25 1.35
tanks works ton.16.00 -17.00
52°, turbid, dms., c.l., works 100 lbs. 1.80 —
i.c.l., works.....100 lbs. 2.05 - 2.15
tanks works ton.32.00 —
Silicofluoride, bbls., c.l., works lb. .04½- —
i.c.l., works ..... lb. .049 —
Stannate dms., works, frt. alld E. lb. .448 - .513
Stearate, USP, anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works..... lb. .22 - —
Sulphate, NF VII dried, gran., dms lb. .14½- .16½
tech., annyd., bgs., c.l., works. 100 lbs. 2.00 - —
i.c.l., works 100 lbs. 2.35 2.60
cryst. (see Glauber's salt)
USP, cryst., bbls ..... lb. .17 - .19
gran., bbls. .....lb. .17 - .17½
Sulphide, flake, bbls., c.l., works frt. equald 100 lbs. 4.50 —
i.c.l., same basis 100 lbs. 5.00 5.25
fused, bbls., c.l., works, frt. equald 100 lbs 4.00 —
i.c.l. same basis 100 lbs. 4.50 4.75
Sulphite, anhyd., by-product, powd., bgs., c.l., frt. equald 100 lbs. 2.50 - 2.75
i.c.l., same basis 100 lbs. 3.25 - 3.75
regular, powd., bbls., c.l., works 100 lbs. 6.50 - —
i.c.l., same basis 100 lbs. 7.00 - —
crystals, bgs., c.l., works 100 lbs. 3.60 - —
i.c.l., works .....100 lbs. 4.00 - —
bbls., c.l., works ..... 100 lbs. 4.00 - —
i.c.l., works 100 lbs. 4.40 —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls. ..... lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l. lb. .05¾- —
i.c.l., works lb. .06¼- —
liquid, 45% basis 100%, tanks, works ton.90.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works..lb. .03 - —
i.c.l., works.....lb. .03¼- —
Thiocyanate, CP, dms..... lb. .55 .65
tech., dms., works lb 30 —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls lb .10 .12
Titanate, ctns., c.l., works.....lb. .10 - —
5 tons, works .....lb. .10¼- —
1 ton or less, works.....lb. .10½- .11
Trichloroacetate, dms. .....lb. .46 - .53
Tripolyphosphate, bgs., c.l., works, frt. equald..100 lbs. 7.25 - —
i.c.l., same basis ..100 lbs. 7.65 - —
Tungstate, tech., kgs., divd., East lb. 1.10 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-Cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dlvd., dms lb. .22 - .22½
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
i.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs., same basis .lb. .30 - —
Solvent naphtha, coal tar tanks, works gal. .25 - .3235
high-flash, tanks, works gal. .25 - .3235
Petroleum, 100° F., flash, tanks, Baytown, Tex gal. .26 - —
150 F. flash, tanks same basis gal. .26 - —
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots to 5 tons, works. lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works..... lb. .22¼- —
ton lots, works.....lb. .23¼- —
less ton lots, works....lb. .24 - —
tanks, works ..... lb. .21½- —
regular, 70%, aqueous, dms., c.l., works lb. .16¼- —
ton lots, works lb. .17 - —
less ton lots, works lb. .17½- —
tanks, works lb. .15½- —
Soybean meal, 41% bulk, Decatur ton.72.00 - —
50%, same basis.....ton.82.75 - —
protein, chemically isolated, 40,000 lbs., works lb. .20 - —
20,000 lbs., works ..... lb. .20¼- —
smaller lots, works..... lb. .20½- .24
mechanically refined, bgs., 40,000 lbs., works..lb. .0575- —
20,000 lbs., works ..... lb. .0590- —
smaller lots, works..... lb. .0605- —
Sparteine sulphate, ctns.....oz. .85 - 1.25
Spearmint leaves, bls.....lb. .52 - .55
Spikenard root, bls. ..... lb. .40 - .45
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works, lb. .05¼- —

Squaw vine leaves, bls.....lb. .30 - .35
Squill, red, fortified, powd., bbls. boxes lb. 1.50 1.60
White, bls. ..... lb. .11 .13
powd., bbls., bxs ..... lb. .16 .18
St. Ignatius beans, bgs.....lb. No stocks.
St. John's bread, edible, bls .....lb. .13 .18
Stainless steel flake, dry, dms., works lb. 1.50 —
paste, dms., works lb. 1.25 —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 5.72 - —
Chicago .....100 lbs. 5.07 - —
l.c.l. .....100 lbs. 5.87 - —
powd., paper bgs., c.l....100 lbs. 5.83 - —
Chicago .....100 lbs. 5.18 - —
l.c.l. .....100 lbs. 5.98 - —

Prices for corn starch in cotton bags, 12c. to 15c. per 100 lbs. higher.

Potato, Idaho, bgs., c.l., works lb. .05 - —
l.c.l., spot ..... lb. .07¼- —
Maine, bgs., c.l., works.....lb. .05 - —
l.c.l., spot ..... lb. .07 - —
Rice, bgs .....lb. .12½- —
Sweetpotato, bgs., c.l.....lb No stocks.
Wheat, bgs. .....lb. .0506- .0626
Stavesacre seed, bgs ..... lb 60 61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. ..... lb 35 38
Stoneroot, bls ..... lb 07½ 08
Storax, USP, cs.....lb 1.50 1.60
Stramonium leaves, bgs ..... lb .19 .20
Seed, bgs ..... lb 20 .21
Streptomycin, hospitals, vials gram. .60 - —
wholesalers, vials ..... gram. .48 - —

Strontium bromide, NF cns., dms., lb. .82 —
Carbonate, 90%, dms.....lb. .15½- .16½
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bbls., works.....lb. .50 - —
Iodide, jars, 25 lbs .....lb 2.60 - —
Nitrate, bbls., c.l., works.....lb. .09¼- —
t.c.l. works .....lb. .10¼- —
Oxalate, bbls., works ..... lb. .42 .44
Salicylate, NF, dms lb. 1.25 1.32
Sulphate air-floated, 90% 325 mesh, bgs., works ton.56.70 -66.15
Strontium-calcium sulphide, phosphorescent, dms. works lb 2.50 2.85
Strophanthin, NF, bots oz.39.00 —
Strophanthus seed, Kombe, bgs lb 3.00 3.25
Strychnine, NF powd. cns. 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP powd. cns., 100 ozs oz. 1.00 - —
Styrene monomer, tanks works lb. .15 - —
Styroly) acetate, bots lb 2.50 3.10
Sucrose octa-acetate, benat., bbls., t.c.l., works lb .60 - —
tech., bbls., t.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar)
Sulphabenzamide, dms ..... lb. 4.25 - 4.60
Sulphabenzamide-sodium, dms ...lb 4.25 4.60
Sulphadiazin, USP, crystals, free flowing, dms lb.11.25 -11.75
microcrystals, 99%, not over 10 microns, dms lb.10.50 -11.00
powder lb.10.25 -10.75
Sulphadiazin-sodium, USP, granules, free flowing, dms lb.12.25 -12.75
powder lb.11.25 -11.75
Sulphaguanidin, USP, dms .....lb. 4.50 - 5.00

Sulphamerazin, USP, micro crystals, 99.9%, not over 10 microns, dms lb.10.55 -11.05
powder, dms .....lb.10.25 -10.75
Sulphamerazin-sodium, USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals lb. 8.80 - 9.30
powder lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing..lb. 1.15 - 1.35
microcrystals .....lb. 1.30 - 1.50
powder .....lb. 1.05 - 1.25
Sulphanilamidoquinoxaline, veterinary, dms lb. 9.00 - 9.25
Sulphapyridin NF powd bots. tins. lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 - 8.00
Sulphathiazole, USP, crystals, free flowing lb. 3.50 - 4.00
micro crystals, 99.9%, not over 10 microns, dms lb. 3.25 - 3.55
powder, dms. ..... lb. 3.00 - 3.30
Sulphathiazole-sodium, USP, dms., lb. 3.00 - 3.30
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
t.c.l., works 100 lbs 2.10 - 2.45
crude c.l. bulk mines contract long ton.18.00 - —
vessel f.o.b. Gulf ports, export, long ton.22.00 -23.00
f.o.b. ship for domestic and Canada long ton.19.50 - —
flour, com'l, 90½%, bgs., c.l., works..100 lbs. 1.60 - —
t.c.l., works .....100 lbs 1.95 2.30

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SODIUM NITRITE
Soda Ash • Caustic Soda • Caustic Potash • Chlorine • Potassium Carbonate • Calcium Chloride • Sodium Bicarbonate • Specialty Cleansers • Sodium Nitrite
Nytron • Ammonium Bicarbonate • Para-dichlorobenzene • Ortho-dichlorobenzene • Monochlorobenzene • Methanol • Ammonium Chloride • Formaldehyde

Sulphur, Precipitated, USP—Wormwood Leaves

Sulphur, precipitated, USP, bbls., kgs. lb. .27 - .36
refined, flour, light refined, USP, bgs., c.l., works..100 lbs. 3.00 - —
l.c.l., works ..... 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works.100 lbs. 2.80 - —
l.c.l., works ..... 100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works.. 100 lbs. 3.85 - —
l.c.l., works ..... 100 lbs. 4.20 - 4.60
... Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works...100 lbs. 2.40 - —
l.c.l., works ..... 100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works...100 lbs. 2.70 - —
l.c.l., works ..... 100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.35 - —
l.c.l., bgs., works.... 100 lbs. 2.70 - 3.05
Chloride, mono, 55-gal. dms., c.l., frt. equald..lb. .03¼- —
l.c.l., same basis.....lb. .04¼- —
tanks, same basis.....lb. .03 - —
Dioxide, liquid, com'l, cyls., works lb. .09 - —
multi-unit cars, works lb. .0535- —
dlvd lb. .18 - —
tanks, works ..... lb. .045 - —
refrigeration, cyls., l.c.l.,
Sumac bark, 25%, grd., bgs., ex dock .....ton.65.00 -66.00
Extract, No. 1, bbls., 25%.....lb. .10½- —
No. 2, bbls., 25%.....lb. .09 - —
crystals, bbls. .....lb. .40 - —
stainless, bbls. .....lb. .14½- —
Leaf, 28% grd., bgs., ex-dock, ton.67.00 -68.00
Superphosphate run-of-pile, under 22% a.p.a., pulv., bulk.
Baltimore ..unit-ton. .78 - —
Carteret, N. J. ...unit-ton. .73 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla.unit-ton. .80 - —

Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, imported, bls.....lb. .95 - 1.00

T

Talc, dom., ordinary, grd., Calif., bgs., c.l., works..ton.25.00 -35.00
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works.....ton.17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works..ton.24.00 - —
l.c.l. .....ton.26.50 -28.00
98.5-99.5%, 325 mesh, bgs., c.l., works...ton.23.00 -28.00
l.c.l., works.....ton.25.00 -32.00
imp., Canada, grd., bgs., c.l., mines ton.12.50 -35.00
Tallow, inedible, extra, loose, c.l., dlvd..lb. .05⅞- .06
fancy, loose, same basis.....lb. .06¼- —
special, loose, same basis.....lb. .05⅝- —
sulphonated, 25%, dms.....lb. .06 - .06½
50%, dms.....lb. .08½- .09
Tamarind, W. I., bbls.....lb. .10 - .15
kegs .....keg.10.00 - —
Tankage, animal, feeding, 9-11% ammon., bulk..unit-ton. 7.50 - —
Chicago .....unit-ton. 8.50 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton. No stocks.
10-11% ammon., 15% b.p.l., bulk. unit-ton. No stocks.
Tansy leaves, bls.....lb. .24 - .30
Tapioca flour, high grade, bgs..lb. .07 - .07¼
medium grades, bgs.....lb. .06½- .07
low grades, bgs.....lb. .05½- .06
Java, bgs.....lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald..gal. .41 - —
l.c.l., same basis.....gal. .44 - —
tanks, same basis.....gal. .33 - —
25-28%, dms., c.l., works..gal. .48 - —
l.c.l., same basis.....gal. .51 - —
tanks, same basis.....gal. .40 - —
50-53%, dms., c.l., same basis. gal. .58 - —
l.c.l., same basis.....gal. .61 - —
tanks, same basis.....gal. .50 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports..long ton. No prices.
powd., bgs., c.l., same basis ..... long ton.225.00 Nom.
Tarragon herb, bgs.....lb. .45 - .50
Leaves, bgs.....lb. .75 - .80
Tartar emetic, tech., gran. or powd., bbls., kgs. lb. .46 - —
dms. .....lb. .47 - .51
USP, powd., bbls., dms., kgs..lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l..lb. .24½- —
l.c.l. .....lb. .25 - .25½
NF, cryst., bbls., dms.....lb. .75 - —
powd., bbls., dms.....lb. .80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
prime, dms.....lb. .33 - .60
Terpinglycol ether, dms., c.l., works. lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms lb. .60½- .70½
prime, cns., dms.....lb. .55 - .65
Terra alba (see Gypsum).
Testosterone, USP, 100 gms.....gm. 3.75 - —
Propionate, USP, 100 gms.....gm. 3.75 - —
Tetrachloroethane, dms., works..lb. .06 - .06¼
Tetrachloroethylene, USP, 55-gal. dms., works..lb. .20½- .21½
smaller dms., works.....lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works. lb. .70 - —
Pyrophosphate, 40% cns., dms., works lb. .65 - .70
Tetraethylenepentamine, dms., c.l., works..lb. .51½- —
l.c.l., works.....lb. .52 - —
tanks .....lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd.....lb.12.50 -15.00
sulphate, 99%, bots., dlvd.....lb.10.50 -13.00
Theobromine, fib. dms.....lb. 4.50 - 4.55
Salicylate, fib. dms.....lb. 4.00 - 4.05
with sodium acetate, USP, dms. lb. 3.65 - 3.70
Sodio-salicylate, fib. dms..... lb. 2.90 - 2.95
Theophylline, USP, 100-lb. dms..lb. 5.50 - —
Thiamine hydrochloride, USP, bots., 100 grams kilo.160.00 - —
Mononitrate, bots., 100 grams.kilo.160.00 - —
Thiocarbanilide, dms.....lb. .34 - .36
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works ..lb 5.50 - 6.60
Thiourea, tech., dms., c.l., works lb. .42 - —
l.c.l., works.....lb. .44 - —
Thorium nitrate, cs., works ..lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs.....lb. .14½- .15
Spanish, bls.....lb. .08½- .09
Thymol, USP, kgs.....lb. 3.50 - —
Iodide, NF, dms.....lb. 6.60 - 6.70
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms., works..lb. .7213- .7313
Crystals, hydrous, bgs., bbls., works..lb. .59¼- —
Metal .....lb. .78½- —
Oxide, bbls. .....lb. .80 - .84
Sulphate, stannous, bbls., kgs., works..lb. .837 - .857
Tetrachloride, anhyd., dms., works..lb. .48 - .49
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd.....lb. .19½- —
l.c.l., dlvd .....lb. .20 - .20½
chalk-resistant, bgs., c.l., dlvd. lb. .19½- —
l.c.l., dlvd .....lb. .20 - .20½
plain, bgs., c.l., dlvd.....lb. .19½- —
l.c.l., dlvd .....lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works lb. .05 - —
5-ton lots, works lb. .05¼- —
milled, bgs., c.l., works..lb. .05¼- —
5-ton lots, works lb. .05½- —
nonchalking, bgs., c.l., dlvd. E. lb. .21½- —
l.c.l., dlvd. E..... lb. .22 - .22½
Hydride, cns., works lb. 7.00 8.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd lb. .07½- .07¾
l.c.l., dlvd lb. .08 - .08¾
Titanium dioxide and pigment in obls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse. ½c. higher.
Tetrachloride, CP, 55 gal. dms..lb. .57 - .58
smaller, pkgs., works.....lb. .65 - 1.22
technical, 5-gal. dms., works lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns., dms.....lb. 3.25 - 3.50
Toluene (see Toluol).
Tolidin base, distilled, kgs.....lb. 1.10 - —
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa.....gal. .23½- —
Birmingham dist.....gal. .23¼- —
Chicago district.....gal. .24½- —
Cleveland district.....gal. .24¼- —
Dangerfield, Tex.....gal. .24½- —
Geneva, Utah.....gal. .19 - —
Hamilton, Ohio.....gal. .24 - —
Johnstown, Pa.....gal. .22 - —
Lackawanna, N. Y....gal. .25 - —
Philadelphia, Pa.....gal. .25½- —
Pittsburgh district ....gal. .22 - —
Sparrow's Point, Md...gal. .23½- —
St. Louis, Mo .....gal. .27 - —
Syracuse, N. Y.....gal. .22½- —
Terre Haute, Ind.....gal. .23½- —
Wyandotte, Mich.....gal. .22 - —
Youngstown, Ohio.....gal. .22½- —
Petroleum, industrial, 2°, tanks, works—
Albany, N. Y.....gal. .28 - —
Bayonne, N. J. ....gal. .28 - —
Baytown, Tex. .....gal. .26 - —
Chicago, Ill.....gal. .28 - —
Detroit, Mich. .....gal. .28 - —
Philadelphia, Pa....gal. .28 - —
Providence, R. I.....gal. .28 - —
Wood River, Ill....gal. .26 - —
Tonga, 50% bark and vine, bls. ...lb. .80 - .95
Tonka beans, Angostura, cks....lb. 1.75 - 1.80
Brazilian, cs .....lb. 1.00 - 1.15
Surinam, cs. .....lb. 1.00 - 1.15
Toxaphene, dms., works, c.l.....lb. .20 - —
truckloads, works .....lb. .20 - —
ton to truckloads, works....lb. .23 - —
less than tons, works .....lb. .26 - —
Totaquine, USP, 100-oz. lots.....oz. .42 - —
Triacetin, dms., dlvd.....lb. .35½- —
Tributyl citrate, dms. .....lb. .41 - .43
smaller containers .....lb. .46 - .52
Phosphate, dms., c.l., frt. alld .lb. .56½- —
l.c.l. .....lb. .57½- —
smaller containers .....lb. .71 - —
Tributylamine, dms., c.l., works lb. .81 - —
l.c.l., works .....lb. .83 - —
Trichlorobenzene, dms., c.l., works, frt. alld. or equald. lb. .10 - .10½
l.c.l. .....lb. .11 - .11½
tanks .....lb. .08½- .09
Trichloroethane, dms., c.l., works.lb. .13 - —
l.c.l., works .....lb. .13½- —
tanks, works .....lb. .11½- —
Trichloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10¼- —
l.c.l., same basis .....lb. .11 - —
tanks, same basis.....lb. .09¾- —
Trichloroethylene, tanks, frt. allds., zone 1 .....lb. .10½- —
Zone 2 .....lb. .11 - —
Zone 3 .....lb. .11½- —
Zone 4 .....lb. .11½- —

Trichloroethylene, frt. allds., dms., c.l., prices ½c. higher, l.c.l., 1¼c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (4) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricholine citrate, 65% solut., ret., cbys., works, frt. adjusted .lb. 2.15 - —
Tricresyl phosphate, coaltar, dms., c.l., dlvd..lb. .30½- —
l.c.l., dlvd. .....lb. .31 - —
tanks, dlvd. .....lb. .29 - —
petroleum, dms., c.l., dlvd..lb. .30½- —
l.c.l., dlvd. .....lb. .31 - —
tanks, dlvd. .....lb. .29 - —
Triethanolamine, dms., c.l., frt. alld. E .lb. .23 - —
l.c.l., same basis.....lb. .24 - —
tanks, same basis.....lb. .21½- —
Triethylamine, dms., c.l., works, frt. allds .lb. .31½- —
l.c.l., same basis.....lb. .32½- —
tanks, same basis.....lb. .30 - —
Triethyl citrate, dms.....lb. .34 - .36
smaller containers .....lb. .39 - .45
Phosphate, dms., works, c.l....lb. .38 - —
dms., l.c.l., same basis..lb. .39 - —
tanks, same basis .....lb. .37 - —
Triethyleneglycol, dms., c.l., frt. allds., E..lb. .20½- —
l.c.l., same basis.....lb. .21½- —
tanks, same basis.....lb. .19 - —
Triethylenetetramine, dms., c.l., works..lb. .51½- —
l.c.l., works .....lb. .52 - —
tanks .....lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald., basis 100% lb. .38 - —
l.c.l., works, frt. allds., basis 100% .lb. .38½- —
tanks, works, frt. equald., basis 100% .lb. .33 - —
Trimethylhexanol, dms., c.l., works. lb. .29½- —
l.c.l., works.....lb. .30 - —
tanks, works.....lb. .28 - —
Tripentaerythritol, bgs., l.c.l., works. lb. .26 - —
Triphenyl phosphate, bbls., c.l., frt. equald..lb. .32 - —
l.c.l., frt. equald.....lb. .33 - —
Triphenylguanidine, bbls., works lb. .80 - —
Tripoli, air-floated, bgs., c.l., works. lb. .0175- —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).
Trisodium phosphate (see Sodium phosphate, tribasic).
Trypsin, 1:25, dms., works.....lb. 2.30 - —
1:50, dms., works.....lb. 4.25 - —
1:75, dms., works.....lb. 5.50 - —
1:100, fib. dms., works.....lb. 5.50 - —
Tryptophane, dextro-laevo, fib. ctns. works kilo.207.00 -242.00
Tuba root (see Cube root).
Tungsten metal powd., 99.9%, dms. works lb. 4.75 - —
Oxide, kgs., works .....lb. 2.85 - —
Turmeric root, Alleppey, bgs. afloat. lb. .30 - .31
Haitian, bgs., afloat.....lb. .10 - .10½
Jamaica, bgs., afloat.....lb. .10 - .10½
Madras, bgs. .....lb. .15½- .16
Turpentine, gum (see Naval Stores Protective Coatings market)
Sulphate, ret. dms., East gal. .23 - —
Wood, dest.-dist., dms., incl., c.l., works, South..gal. .40 - —
l.c.l., same basis ....gal. .41 - —
N. Y. whse .....gal. .47 - —
tanks, works, South ....gal. .27½- —
steam-dist., dms. incl., c.l., works gal. .50 - —
l.c.l., works, South.....gal. .56 - —
ex whse., NYC.....gal. .64 - —
tanks, works.....gal. .34 - —
Tyrothricin, bots. .....gram. 1.00 - 1.10

U

Urethane, USP, dms.....lb. 1.25 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs.....lb. 2.55 - —
yellow, kgs. .....lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb. .04½- —
l.c.l., works .....lb. .05 - —
42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east. ton.94.00 - —
bulk, distributors, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton.103.58 - —
30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton.98.00 - —
40 tons, distributors, frt. alld. Colo., Mont., Wyo., and west ton.107.15 - —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va ton.125.00 - —
C and D grades, same basis. ton.123.50 - —
37 grade, same basis.....ton.147.50 - —
Uva ursi leaves, bls.....lb. .10 - .14

V

Valerian root, Belgian, NF, bls lb. .40 - .45
Valine, dextro-laevo, dms., works.lb.25.50 -27.50
Valonia beards, bgs., ex dock ton. No stocks.
Cups, bgs., ex dock.....ton.52.00 - —
Extract, powd., bgs., ex dock, duty extra..lb. .09½- —
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech., dms., works ..... lb. 1.00 - 1.06
Vanilla beans, Bourbon, tins....lb. 4.75 - 5.00
Mexican, cuts, tins.....lb. 6.50 - 6.75
whole, tins.....lb. 7.50 - 7.75
Tahiti, cs.....lb. 2.75 - 3.25
Vanillin, ex eugenol, tins, 25 lbs lb 4.00 - —
smaller lots .....lb 4.05 - —
ex guaicol, tins, 25 lbs.....lb. 3.00 - —
smaller lots.....lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots.....lb 3.00 - —
smaller lots, tins.....lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works.lb. .16 - .16½
5-gal. cns., works.....lb. .30 - —
tanks, works .....lb. .15 - —
Butylether, normal, tech., dms., c.l., works..lb. .28 - —
l.c.l., works.....lb. .30 - —
tanks, works .....lb. .27 - —
Ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., wks. lb. .28 - —
l.c.l., works.....lb. .30 - —
tanks, works.....lb. .27 - —
Isobutylether, tech., dms., c.l., works..lb. .28 - —
l.c.l., works.....lb. .30 - —
tanks, works.....lb. .27 - —
Methylether, cyls., works.....lb. .30 - —
tanks, works.....lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works lb. 1.50 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in neutral vegetable oil, 400,000 or 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .02 - —
lots of 1 billion USP units, 1,000,000 units. .025 - —
lots of less than 1 billion USP units 1,000,000 units. .03 - —
Vitamin A, natural, 200,000 to 350,000 A units per gm., bots., cns., dms., lots of 500 million units or more..1,000,000 units. .17 - —
lots of less than 500 million units 1,000,000 units. .21 - —
351,000 to 450,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .18 - —
lots of less than 500 million units 1,000,000 units. .22 - —
451,000 or more A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .19 - —
lots of less than 500 million units 1,000,000 units. .23 - —

Prices above are based on the USP XIII method of conversion, E x 1894.

Vitamin A, natural, 200,000 to 350,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. 19½- —
lots of less than 500 million units 1,000,000 units. .23½- —
350,000 to 450,000 A units per gm., bots., cns., dms., lots of 500 million units or more..1,000,000 units. .20½- —
lots of less than 500 million units 1,000,000 units. .24½- —

Vitamin A, natural, 451,000 or more A units per gm., bots., cns., lots of 500 million units or more 1,000,000 units. .22 - —
less than 500 million units 1,000,000 units. .26 - —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units, per gm....1,000,000 units. .24 - —
A, synthetic, palmitate, 800,000 A units per gm., frt. adjstd. 1,000,000 units. .24 - —
Vitamin B, (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxin hydrochloride).
B_{12} vials, 25, 100 and 500 milligrams..milligram. 2.32 - —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls .....lb. 1.50 - 1.75
Tree bark, bls.....lb. .55 - .75
Wattle bark, fair average, or E. Afr., bgs., ex dock..ton.67.50 - —
merchantable, bgs., ex dock.ton.65.00 - —
extract, liquid, 35% tannin, bbls., works lb. .07½- .08
solid, E. Afr., 61% tannin, ex dock, duty extra..lb. .07½- —
S. Afr., 62% tannin, ex dock, duty extra..lb. .07½- —
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs., spot.....lb. .44 - .45
Bees, bleached, USP, bricks, cs. lb. .62 - .63
slabs, bgs .....lb. .61 - .62
crude, African, bgs.....lb. .44 - .45
Brazilian, bgs .....lb. .52 - .53
Cent. American, bgs .....lb .48 - .50
refined, yellow, oricks, cs....lb. .52 - .53
slabs, bgs. .....lb. .51 - .52
Candelilla, crude, bgs.....lb. .46 - .47
refined, bgs.....lb. .49 - .50

Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, bgs., ton lots lb. No stocks.
North Country, No. 2, ton lots lb. .76 Nom.
No. 3, crude, bgs., ton lots .lb. .72 - .74
refined, bgs., ton lots..lb. .76 - .78
yellow, No. 1, bgs, ton lots..lb. .95 - .97
No. 2 .....lb. .93 - .95

Powdered carnauba price differentials same as powdered candelilla.

Japan, bgs.....lb. .67 - .70
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000 lbs., group 3, works lb. .14 - —
Less than 20 000 lbs., same basis lb. .15 - —
black, ctns., 20,000 lbs., same basis lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, black, ctns., 20,000 lbs., same basis lb. .14½- —
Less than 20,000 lbs., same basis lb. .15½- —
amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis .17 - —
white, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .38 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½- —
Less than 20,000 lbs., same basis lb. .21½- —
black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, ctns., 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs., same basis lb. .34½- —
Montan, dom., black, raw.....lb. .25 - .25½
refined .....lb. .31 - .32
Bohemian, bgs .....lb. .15 - .16
German, bgs .....lb. .16 - .17
Ouricury, refined, bgs., ton lots..lb. .76 - .78
Paraffin (see P.).
Spermaceti, blocks, cs.....lb. .24 - .27
cake, cs. .....lb. .25 - .28
Sugar cane, crude, imp., bgs....lb. .35 - .37
refined, dom., slabs, works lb. .60 - .65
imp., bags, N. Y.....lb. .40 - .42
White lead (see Lead, white).
White pine bark, rossed, bls.....lb. .16 - .19
White precipitate, USP powd., dms., 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs., c.l., works. ton. 6.00 -10.00
smaller lots, works ton. 6.50 -15.00
wet-grd., bgs., c.l., works..ton.16.00 -30.00
smaller lots, works .....ton.21.00 -35.00
Paris white, bgs., c.l.....ton.24.00 -31.00
l.c.l. .....whse. ton.25.00 -40.00
Precipitated, bgs., c.l.....ton.18.00 -20.00
l.c.l. .....ton.25 00 -35.00
Wild cherry bark, thick, natural, bls. lb. .06 - .07
rossed, bls .....lb. No prices.
thin, natural, bls.....lb. .13 - .16
rossed, bls. .....lb. .16 - .17
Wild indigo root, bls.....lb. .30 - .31
Wild yam root, bls. .....lb. .16 - .17
Witch hazel leaves, bls.....lb. .25 - .27
Woodflour, 40 mesh bulk, c.l., works, East..ton.32.00 - —
l.c.l., same basis .....ton.40.00 - —
60 mesh, bulk, c.l., same basis ton.37.00 - —
basis..ton.37.00 - —
l.c.l., same basis.....ton.45.00 - —
80-100 mesh, bulk, c.l., same basis ton.40.00 -45.00
l.c.l., same basis .....ton.50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs.....lb. .13 - .14
Levant, bgs .....lb. 4.15 - 4.25
Wormwood leaves, bls.....lb .35 - .45

X

Xanthorrhiza root, bls..... lb. .38 - .50
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l., works, frt. equald ..... lb. .193 - —
l.c.l., same basis ..... lb. .196 - —
tanks, same basis ..... lb. .18 - —
45°-47°C. dms., c.l., frt. equald ..... lb. .153 - —
l.c.l., same basis ..... lb. .156 - —
tanks, same basis ..... lb. .14 - —
fractions, over 7°C., b.p., dms., c.l., same basis gal. .81 - —
l.c.l., same basis ..... gal. .84 - —
tanks, same basis ..... gal. .70 - —
Meta fraction over 7° C, dms., c.l., same basis gal. .96 - —
l.c.l., same basis ..... gal. .99 - —
tanks, same basis ..... gal. .85 - —
Xylidins, mixed, dms ..... lb. .45 - .50
Xylol, coastal, industrial, tanks, works —
Bethlehem, Pa ..... gal. .29 - —
Birmingham district ..... gal. .25½ - —
Chicago district ..... gal. .26½ - —
Cleveland district ..... gal. .30 - —
Dangerfield, Tex. ..... gal. .27 - —
Hamilton, Ohio ..... gal. .25 - —
Johnstown, Pa. ..... gal. .24 - —
Lackawanna, N. Y. ..... gal. .24 - —
Pittsburgh district ..... gal. .25 - —
Sparrows Point, Md. ..... gal. .29 - —
St. Louis, Mo ..... gal. .25 - —
Syracuse, N. Y. ..... gal. .25½ - —
Terre Haute, Ind. ..... gal. .26 - —
Wyandotte, Mich. ..... gal. .27 - —
Youngstown, Ohio ..... gal. .25½ .25
Petroleum, indust., 10°, tanks, works:—
Albany, N. Y. ..... gal. .28 - —
Bayonne, N. J. ..... gal. .28 - —
Baytown, Tex. ..... gal. .26 - —
Chicago, Ill. ..... gal. .28 - —
Detroit, Mich. ..... gal. .26 - —
Philadelphia, Pa. ..... gal. .28 - —
Providence, R. I. ..... gal. .28 - —
Wood River, Ill. ..... gal. .28 - —

Y

Yara, yara, cns ..... lb. 2.00 2.25
Yeast, brewer's dry, USP, 50 B units per gram, 100-lb. dms lb. .44 .46
80 B units per gram, 100 lb. dms lb. .49 .51
200 B units per gram, 100 lb. dms lb. .53 .55
300 B units per gram, 100 lb. dms lb. .57 .59
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .30¼ - —

Barium chromate yellow price differentials to other States and city zones are those for chrome yellow below

Benzidin, bbls., divd ..... lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.65 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies lb. .90 - —

Cadmium yellows, Los Angeles and San Francisco, ex whse l.c. per lb. higher.

Chrome, CP, bbls., divd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island lb. .25 - —

Divd. Ala., Fla., Ga., La., Shreveport 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago

Hansa, bbls., same basis as chrome lb. 1.60 - 1.70
Primrose, bbls., same basis lb. 1.90 2.10
Iron oxide, natural, bgs., c.l., works lb. .0141- .0250
l.c.l., works lb. .0166- .0275
French type, bgs., c.l. ..... lb. .04½ - —
l.c.l. ..... lb. .04¾ - —
Peruvian type, bgs., c.l. lb. .0185- .0210
synth, bgs., c.l. works .... lb. .09 - —
l.c.l. works ..... lb. .09¼ - —
Mercury oxide, bbls., 1,000 lbs lb. 1.93 - —
smaller lots ..... lb. 1.95 - —
Ocher, American golden, bgs., works lb. .01¼ .02¾
Zinc, bbls. same basis as chrome lb. .21 - —
Yellow dock root, bls ..... lb. .16 - .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls ..... lb. .28 - .30
Yohimbine hydrochloride vtl4 ..... oz. 3.25 4.00

Z

Zein, bgs., 36,000 lbs., works ... lb. .30 - —
1,000 lbs. to 36,000 lbs., works lb. .32 - —
smaller lots, works ..... lb. .35 - —
Zinc acetate, tech., bbls., dms ... lb. .26¼ - —
NF, dms. ..... lb. .31 - —
Arsenite, bgs., c.l., frt. alld. E. of Rockies lb. No stocks.
l.c.l., same basis ..... lb. No stocks.
Borate, bgs., c.l., divd. E ..... lb. .16 - —
l.c.l., divd. E ..... lb. .17 - —
Carbonate, purified, powd., dms. lb. .26 - —
tech., rubber makers', bgs., works lb. .10¾ - .11¼
precipitated, powd., dms. lb. .26 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.40 - —
gran., bbls., c.l., works 100 lbs. 7.75 - —
l.c.l., works ..... 100 lbs. 8.15 - —
solution, 50%, dms., c.l., works. 100 lbs. 3.90 - —
l.c.l., works ..... 100 lbs. 4.50 - —
tanks, works ..... 100 lbs. 3.25 - —
NF, gran., dms ..... lb. .42 - —
Chromate (see Yellow, zinc).
Cyanide, bgs., works ..... lb. .38 - .41
Dust, bbls., c.l., works ..... lb. .1225- —
divd. ..... lb. .1250- —
l.c.l., works ..... lb. .1260- .1325
Fluoride, bbls., works ..... lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .17¼ - —
l.c.l. ..... lb. .17¾ - .18¾
Iodide, NF, jars ..... lb. 4.85 - —
Laurate, bbls ..... lb. .45 - .46
Linoleate, solid, 8½%, bbls .... lb. .42½ - —
Metal, slabs, E. St. Louis ..... lb. .12½ - —
Naphthenate, liquid, 8% Zn., frt. alld lb. .20¾ - —
10% Zn, dms., frt. alld ..... lb. .25¼ - —
Oleate, fused, bbls ..... lb. .36 - —
Zinc oxide, pigment, dom., acicular, bgs., c.l., divd. lb. .12¾ - —
l.c.l., divd ..... lb. .13¾ - —
American process, com'l, lead-free, bgs., c.l., divd. lb. .12¾ - —
l.c.l., divd ..... lb. .13¾ - —
leaded, 5%, bgs., c.l., divd. lb. .12¾ - —
l.c.l., divd ..... lb. .13¾ - —
35%, bgs., c.l., divd. lb. .12¾ - —
l.c.l., divd ..... lb. .13¾ - —
50%, bgs., c.l., divd. lb. .13 - —
l.c.l., divd ..... lb. .14 - —
French process, com'l, lead-free, bgs., c.l., divd. lb. .15 - —
l.c.l., divd ..... lb. .16 - —
green seal, bgs., c.l., divd. lb. .14½ - —
l.c.l., divd ..... lb. .15½ - —
red seal, bgs., c.l., divd. lb. .14 - —
l.c.l., divd ..... lb. .15 - —
white seal, bgs., c.l., divd. lb. .15 - —
l.c.l., divd ..... lb. .16 - —
USP, ctns., c.l., divd ..... lb. .16 - —
l.c.l., divd ..... lb. .17 - —
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Phenolsulphate, dms. ..... lb. .36 - —
Thionosulphonate, NF, gran., bbls., dms lb. .33 - .34
powd., bbls ..... lb. .36 .37
Resinate, fused, 1% Zn. dms., frt. alld lb. .20 - —
precip., dms frt. alld lb. .22 - —
Silicofluoride, bbls., works .... lb. .10 - .10½
Stearate, tech., USP, ctns., c.l., lb. .34 - —
ton lots ..... lb. .35 - —
less ton lots ..... lb. .36 - —
Zinc sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld ... 100 lbs. 5.60 - —
l.c.l., same basis 100 lbs. 6.00 - —
flake, 25½% Zn, bgs., c.l., works, divd 100 lbs. 4.80 - 5.30
l.c.l., works ..... 100 lbs. 5.20 - 6.05
powdered, 36% Zn., bgs., c.l., divd., same basis 100 lbs. 7.00 - 7.40
l.c.l., same basis ... 100 lbs. 7.40 - 8.15
Zinc sulphate in bbls 40c higher
USP, gran., dms ..... lb. .23 - .23½
Sulphide, pure, bgs., c.l., divd. lb. No prices.
l.c.l., divd ..... lb. No prices.
Barium pigment, bgs., c.l., divd lb. No prices.
l.c.l., divd ..... lb. No prices.
Calcium, pigment, bgs., c.l., divd lb. No prices.
l.c.l., divd ..... lb. No prices.
Luminescent pigment, divd lb. No prices.
Magnesium pigment, bgs., c.l., divd lb. No prices.
l.c.l., divd ..... lb. No prices.
Zinc sulphide and pigment, Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Yellow (see Yellow, zinc).
Zinc-ammonium chloride, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.40 - —
Zinc-cadmium sulphide fluorescent, cns., frt alld lb 2.60 2.80
Zinc-calcium resinate, dms., c.l., works lb 1180 1360
l.c.l., same basis lb 1220 14

Xanthorrhiza Root—Zirconium Sulphate

Zinc-formaldehyde sulphoxalate, basic, dms., works lb. .21½ - —
normal, dms., works ..... lb. .43 - —
Zircon (see Zirconium silicate).
Zirconium acetate 13% sol. ZrO_2, bbls. works lb. .21¼ - —
Carbonate, basic, cake, bbls., works lb. .39½ —
Hydride, cns., works ..... lb. 7.00 - 8.00
Nitrate, dms., works ..... lb 1.75 - —
Oxide, 98½-99% white, grd., bbls. or bags, works lb 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5 tons, works lb. .42½ - —
1 ton or less, works lb. .45 .48
milled, electric-fused, bgs., c.l., works lb. .50 - —
5 tons, works lb. .50½ - —
1 ton or less, works lb .60 .63
Oxychloride, cryst., ctns., 5 tons, works lb. .20½ —
Silicate, granular, bgs., c.l., works. lb. .03¼ - .03¾
10 tons, works lb .03½ .04
5 tons, works ..... lb. .04 —
1 ton or less, works .... bl. .04½ - .04¾
milled, bgs., c.l., works ..... lb .04¾ —
5 tons, works ..... lb .05¼ —
1 ton or less works .... lb .05¾ .06¾
refined, bgs., c.l. works .... lb. .11 —
works lb. .11 - —
5 tons, works lb. .11½ - —
1 ton or less, works lb .12 .16
Sulphate, cryst., ctns., c.l., works lb. .37½ - —
5 tons, works lb .38 —
1 ton or less, works lb .38¼ .39

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Adaptability of Business

"The ingenuity and flexibility of the American businessman in meeting new situations provides solid reasons for hope that the complicated problems of foreign investments can be solved and the aims of the Point IV program can be achieved." Thus spoke the United States Secretary of Commerce last week. It may be that, in matters of the magnitude of the Point IV program, his appraisal is not inflated. But, in the light of the smaller affairs which multitudinously perplex business in relation to numerous aspects of the national economy, the secretary's confidence is more than a bit optimistic.

There certainly is no evidence of ingenuity and flexibility of American business in the fact that it was necessary to send to France to have fifty-two 1-ton reproductions of the Liberty Bell made for use in connection with the United States savings bond drive. No company in this country would take the job. Time was, a few generations ago, when a thousand small towns had foundries which would have welcomed the job of casting those bells. There, too, is that recurring problem of disposing of a whale which gets stranded on a sandy stretch of the Atlantic coast. Why should it be necessary to enlist the assistance of the Coast Guard to drag the carcass out to sea and sink it? In a recent case, the latest report had it that the carcass would be burned where it lay. Of course, the salvaging of several tons of a useful oil, fertilizer, and dog food is a matter too small to fit into today's fixed habits of work and pay. Flexibility and ingenuity are for big things.

The criterions of those things to which all minds are more or less constructively turned are of the nature of ultrasonic speed and interstellar space. The needs of the community are but microscopic. When an unfortunate well-digger gets pinned down by a falling rock 18 feet below the surface, stratospheric and global concepts cannot be applied, and he dies before he can be extricated.

In large part, enterprise has grown beyond individual stature; it has become so big that it can be shaped to everyday needs only with great difficulty. Some genuis has devised a gadget which enables the housewife to run a silver-polishing buffer wheel on her electric mixer. But, nobody yet has contrived a device which will similarly power the resharpening of razor blades. The best method of getting more than one shift out of those steel-consuming implements is that derived from British austerity—honing them on the inside surface of a water-tumbler. Even the manufacture of stroppers does not provide flexible employment.

Fifteen million prospects are set up to point the bigness of the business of replacing last year's phonographs with new ones which will handle the slower-speed records. Flexibility and ingenuity! Fifty years ago, there would have been a thousand tinkers going about the land installing speed gearshifts in the so-called "antiquated" talking-machines.

The tinker was an ingenuous and flexible businessman. But, he got squeezed out in the magnitudinous levitation of the style, rather than the standard, of living. The suburban dweller casts aside a saw, a chisel, an axe, or any other tool when its gets dull; he doesn't know where to get it sharpened and gives up after one or two attempts to do the job himself. When he acquires a pile of such discarded metallic articles, he has to pay somebody to carry them away; the cost of operating, piled on that of living, has almost eliminated the junkman. An automobile cannot be "fed" at a roadside grasspatch —why, of course, he would have to have a motortruck in these days!

Business can be ingenuous and flexible on a global scale, but it does not manifest such characteristics in its attitude toward international trade organizations. The adequacy of its flexibility and ingenuity on a communal scale depends largely on the extend to which organization has displaced individuality. There is a deal of waiting employment in various individualized areas of business activity, now largely undeveloped.

There Need Be No Bust

Financial leaders are beginning to voice fears of the imminence of the busting of the boom. Their views are not to be discounted because they did not foresee the classic collapse of 1929. That was a financial debacle; they were too close to the picture. It must be said that the bankers' warning has a lot of meat behind it because of their stressing of the instability of government spending and credit expansion which constitute a large part of the support of the current volume of business. They urge that business find a better basis on which to build. That advice is much to be preferred to the proposal made by businessmen, that credit be eased for the buying of "soft" goods to meet the competition of durable goods for the consumer's dollar.

Of course, the bankers have a plan to put business on a firmer foundation. They would substitute private lending for the various schemes by which the government passes out more than it can squeeze out of taxpayers. In common with almost all the suggestions for making business better for the long run, that advice is too general. Businessmen already are too much inclined to attempt to get and interpret overall data, to fit their plans and processes to the scheme of the general trend. As the general trend is but the net aggregate of individual trends, following it cannot lead to anything better.

The best advice that can be given to the individual businessman today is that he ooze optimism and practice pessimism; keep his expectations within known bounds, but don't tell anybody of the inhibiting. And work.

The area of a businessman's primary interest in business conditions should best be that of his own activities. It is his job to make his business all that it can be, within the bounds of fair dealing with customers and competitors. Nobody can do any more than that. The general state of business is a result, not a cause, of the manner in which that's done and the extent of its doing. In other words, business conditions are made by businessmen; they come about largely because of too much thinking about what may be instead of about what is and what to do with it.

The businessman should know—but often does not—why his operations are not measuring up to what he justifiably can expect them to be. He should know what to do to remove the obstructions or remedy the shortcomings. All too often he prefers to go along with politicomical theories, looking for misdeals and misdeeds, when he should be adjusting misfits and recognizing that the misdeeds which bother him are not, by any means, all to be laid at the doors of competitors, no matter how big they are.

The bankerfolk say that business must get an injection of a powerful new stimulant to boost it past the threat of a bust of the boom. The need seems, rather, to be for more self-reliance, more self-determination, and, as an antidote for politicomic physicking, more self-respect and self-help on the part of the individuals who constitute business.

For the Bookshelf

IRON RESOURCES OF CALIFORNIA. Bulletin 129. Cloth; xii+304 pages.

MINERALS OF CALIFORNIA. Bulletin 136. Cloth; 402 pages.

GEOLOGY OF THE QUIEN SABE QUADRANGLE, CALIFORNIA. Bulletin 147. Cloth; 60 pages, with loose maps.

GEOLOGY OF THE TACDOEL QUADRANGLE, CALIFORNIA. Bulletin 151. Cloth; 78 pages, with loose maps.

(Publications of the Division of Mines, Department of Natural Resources, State of California, Ferry building, San Francisco.)

Most folks who want to know about the natural resources of the particularly well-endowed State of California are familiar with the useful bulletins of the state division of mines. Others would do well to get acquainted with those sources of information.

The four bulletins here considered are in keeping with the general standard. They cover a much-varied field with informative text, statistical data, maps, and illustrations. Their titles are good identifications. The bulletin on iron resources is very comprehensive, covering sixteen areas and having a bibliography of almost unbelievable scope and an index. Its maps are interleaved.

The general minerals guide contains descriptions and locations of the Searles Lake thirty, Crestmore 112, Cerro Gordo forty-three, and minerals of other areas, composing the Dana classification. The arrangement is alphabetic. The treatment is valuable.

The two geologic bulletins are well arranged and usefully indexed.

Washington Talks It Over

—*Continued from page 5*

deadline for submission of this information. Secretary Johnson will select the site on the basis of the recommendations of the Research and Development Board after it has sifted the suggestions of its ad hoc committee.

The laboratory will be used for research and development in the field of chemicals and plastics; environmental protection of man; physics, biology, and chemistry; textiles, clothing, and footwear, and mechanical products.

Size of Business Groups

Findings of economists of the Department of Commerce fail to support a widespread belief that the biggest corporations are continuing to grow and that little business is having a hard time of it staying in business. An article in the May issue of Survey of Current Business sets forth the following points as to the "Size Distribution of the Postwar Business Population":—

From March 1945 to March 1948, the proportion of total employment in firms with 1,000 or more workers declined from 44 percent to 35 percent. It increased among firms with fewer than 100 workers and remained substantially unchanged in the intermediate group. An identical sample of about 100 of the very largest manufacturing corporations indicates that their current share of employment is not much different from 1940.

According to the article, the reduction in the relative importance of the 1,000-and-more group since the end of the war is chiefly a result of two factors. First, employment among the largest firms, primarily in manufuacturing, dropped sharply at the end of the war, and their subsequent recovery still fell short of the high wartime levels. Second, the boom conditions of the postwar period fostered a very pronounced growth in the business population, so that there were 750,000 more firms providing employment in 1948 than there were early in 1945.

Cost of Foods from Farm

The house agricultural committee believes that much of the waste of products and resultant high prices paid by consumers for perishable farm commodities is the fault of municipalities. Wholesale marketing facilities in most areas are so antiquated that it is a wonder prices are not higher than they are. A subcommittee is suggesting that the government provide mortgage insurance or other self-liquidating financial aid to reconstruct and modernize wholesale markets.

Chairman Cooley of North Carolina points out that, as consumers, all of us are concerned about the size of our food bills. What many of us fail to realize, however, is that the price we pay for food is determined more by the marketing charges and the costs of processing and distribution than by what the farmer receives for his crop. In one city surveyed, it was found that it cost more to move the food from the city limits to the housewife's kitchen than it did to get the food to the city limits.

According to the latest figures available, Mr. Cooley states, 60 cents out of every dollar paid by consumers for fresh fruits and vegetables goes for marketing costs and charges while the farmer receives only 40 cents. It is obvious that the costs which attach themselves to food commodities after they leave the farmers' hands are by far the most significant.

Industrial Scatter Plan

The National Security Resources Board is continuing its drive for decentralization of industries in the interest of national security in case of enemy attack and is now sending appeals to the cities to take this matter into consideration in their expansion programs.

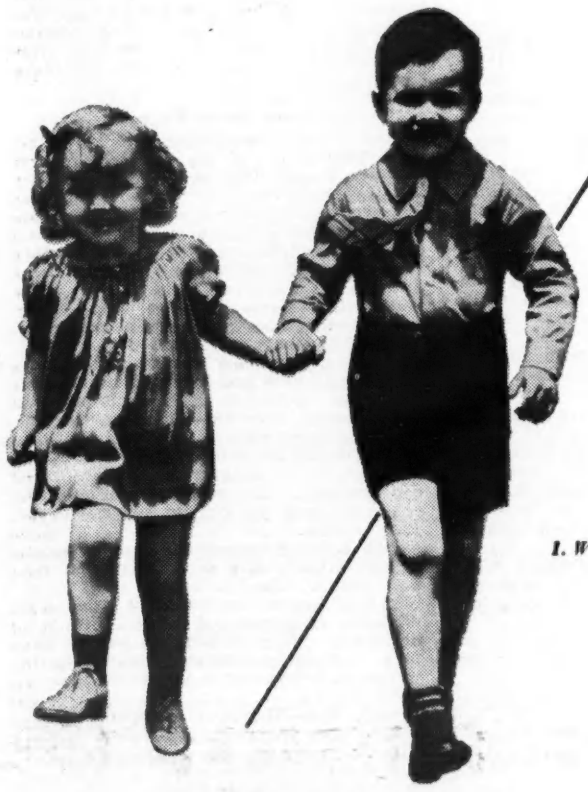
The agency is urging that dispersion efforts be concentrated on new growth of industry and cities rather than attempting now to decentralize existing concentrated areas. It is suggested that the "target attractiveness" of areas be reduced by voluntarily fixing an upper limit to the size of city concentrations, channeling new growth into "satellite communities," rather than simply allowing cities to expand.

Pressure is also being brought by the agency on governors of the states and territories to get passed the pecessary legislation for establishing civil defense planning bodies to implement the national plan when such a plan is completed by the board.

growth failure...

its treatment represents

a **new** market for Vitamin **B 12**



There's a new market opening up for vitamin preparations containing Vitamin B_{12}. This new development is an outgrowth of recent clinical evidence[1] which revealed the existence of B_{12} deficiency in children—a deficiency manifesting itself in growth failure.

In this study, the oral administration of 10 micrograms of Vitamin B_{12} daily to children with growth failure produced favorable responses in approximately one-half the time expected on the basis of standard therapy alone.

The probability of a new vitamin deficiency and the effectiveness of Vitamin B_{12} in helping to overcome it, suggest the possibility of marketing Vitamin B_{12} preparations specifically designed as therapy for deficiency states and for subclinical cases by incorporating B_{12} in multi-vitamin preparations. Pfizer Vitamin B_{12} Concentrate—Oral Grade Solids—is available for the pharmaceutical manufacturers in bottles of 10, 100, 500 milligrams and 1 gram of B_{12} activity. Vitamin B_{12} potency is 500 micrograms per gram according to the L.L. assay method. For prices and further information write today to:

1. Wetzel, N.C., Fargo, W.C., Smith, I.H. and Helikson, J., SCIENCE 110: 651 (Dec. 16) 1949.

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Heavy Chemicals

Strong conditions prevailing in most of the metal markets resulted in several price advances in the metal based chemicals. Higher prices for aluminum brought about an upward revision in aluminum chloride anhydrous on spot. The recent advance in copper resulted in increased prices for copper chloride, hydrate and nitrate. One of the producers of copper oxychloride-sulphate has temporarily withdrawn market quotations. Higher producing costs were responsible for an advance in nickel formate. Sodium stannate was up with higher tin metal and so were tin chloride, crystals, sulphate and tin tetrachloride. Prime western zinc closed fractionally higher. Nickel carbonate will be advanced on June 1 and nickel chloride prices will be based on 10,000 pound purchases on that date. Silicate of soda will be advanced July 1, and so will aqueous hydrofluoric acid. The only price decline recorded was in quicksilver where sellers quoted round lots lower in an effort to stimulate demand.

Consuming inquiry for heavy chemicals has shown improvement during the month of May and it was stated that the sales volume was considerably above a year ago. Demand for chlorine has kept above the production level and the market closed the month in a definitely tight supply condition. Another producer has announced higher prices for caustic soda, chlorine and soda ash effective July 1. Demand for copper sulphate has continued heavy and the tonnage movement for June is expected to be the largest for any month of the year. Detroit is keeping the nickel sulphate market active and a broadening of inquiry is noted for zinc sulphate. Cutback production kept sulphuric acid in a relatively tight position but stocks of other acids appeared to be adequate to meet the current extent of consuming demand.

Paper production based on a percentage of six-day capacity was 102.8 percent for the week ending May 20, according to the American Pulp and Paper Association. This compared with 102.4 in the preceding week and 80.2 for the corresponding week in 1949.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce.

Aluminum Chloride—Anhydrous commercial priced higher at 11c. per pound in carlots and 11½c. in less, f.o.b. the works. The upward revision is the result of increased producing costs occasioned by an advance in the price of the metal. Spot advance immediate, contracts July 1.

Ammonium, Anhydrous—Production of synthetic anhydrous in March was higher. The total amounted to 123,996 tons, compared with 115,976 in the preceding month and 103,418 tons in March, 1949. Market position relatively tight, with production in some instances sold through June.

Calcium Carbide—March output registered 59,336 tons of commercial, compared with 51,317 in February and 58,123 tons in March last year.

Chlorine—Another producer has announced an advance of 15c. per 100 pounds in the basic price, effective July 1. The market's supply position has continued definitely tight over the past month, and prospects at the close showed no easement in sight, with demand running ahead of production.

Copper Chloride—Market position strengthened by the increased cost of the metal. Anhydrous priced higher at 27¼c. per pound and crystals at 18¾c. per pound, both f.o.b. the works.

Copper Hydrate—Higher metal was responsible for an advance in prices. Carlots, 26¼c. per pound, and smaller lots, 26¾c., freight allowed east of the Mississippi river.

Copper Nitrate—Advanced ½c. to 24c. per pound, works. Upward revision due entirely to increased metal costs.

Copper Sulphate—Heavy demand has kept the supply position definitely tight, and it looked as though stocks would continue short through June. The movement for agriculture is in full swing, with shipments from three to four weeks behind schedule. Inquiries are now coming from Maine, and the season in that state will start around July 1. The industrial movement is sustained at a much higher level than a year ago. Export demand has slowed down, which is not an unusual occurrence at this period of the year. Prices are firm at the recent advance.

Glauber's Salt—Higher production was recorded in March. The total amounted to 17,698 tons, compared with 15,881 in the preceding month and 13,554 tons in March, 1949.

Nickel Carbonate—Price will be advanced ½c. per pound June 1. The minimum selling price will be 48½c. per pound.

Nickel Choride—On June 1 the producers' price will be 24½c. for 10,000 pounds or over and 25c. for less.

Nickel Formate—Maintenance of high producing costs has brought about an advance in prices. Truckloads now priced at 46¾c. per pound and smaller quantities at 47¾c. freight allowed.

Nickel Sulphate—Inquiry from the Detroit area active and a fairly steady demand also from platers in the East. Sales during May sustained at a satisfactory level with production in some quarters sold through June. Market firm but unchanged in price. It was reported that an export inquiry is in the market for 125 tons and that this order might be satisfied by warehouse stocks of an out of town producer, now in the hands of a receiver, for the benefit of creditors.

Potash, Caustic—Supply conditions have improved during the past month, although all producers were not in a position to consider additional orders at the close. Demand from the soap and chemical industries has continued steady.

Potassium Carbonate—Producers have experienced difficulty in meeting consuming requirements. Demand from glass specialty plants has exceeded production and both calcined and hydrated closed the month in a definitely tight condition.

Potassium Chlorate—Match factories have shown considerable interest in this market during the month of May and have about all of the June production now under contract. The market position has continued firm but without suggestion of price change.

Salt Cake—Demand and supply have remained pretty well in balance over the past month. The kraft-paper mills have been the largest buyers. The price for domestic is unchanged at $22 per ton delivered. March production was 43,075 tons of crude commercial against 38,939 in the preceding month and 52,069 tons in March, 1949.

Soda Ash—Shipments have continued steady over the past month with prices firm and demand active. Production has run close to requirements with most of the producers in a position to take on new business for prompt shipment. Another producer has announced an advance in the basic price of 10c. per 100 pounds, effective July 1.

Soda, Caustic—Available stocks have not tightened during the month of May. Demand was described as good but not to the extent of topping output. Another producer will advance prices of liquid, solid and flaked in carlots $3 per ton on July 1. An export sale of 5,387 metric tons to Buenos Aires, with payment in dollars, was reported.

Sodium Bicarbonate—Refined production in March totaled 14,272 tons, compared with 11,813 in the preceding month and 13,603 tons in March a year ago. Supply position remained comfortable with demand steady.

Sodium Phosphate—Meta output did not vary greatly from the preceding month. The total registered 2,686 tons, compared with 2,887 in February and 1,791 tons in

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Aluminum chloride, anhydrous, 1c. per lb.
Metal, ½c. per lb.
Copper chloride, ½c. per lb.
Hydrate, ¾c. per lb.
Nitrate, ½c. per lb.
Nickel formate, 3¼c. per lb.
Sodium stannate, 5c. per lb.
Tin chloride, .069c. per lb.
Crystals, ½c. per lb.
Metal, 1c. per lb.
Sulphate, .061c. per lb.
Tetrachloride, ½c. per lb.
Zinc, prime western, ½c. per lb.

Prices Reduced

Quicksilver, $1 per flask.

Comparative Price Indexes

(100—August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Dec. 30, 1949	May 27, 1949
216.8	216.8	215.8	216.4	223.7

Acids

Last week	Prev. week	Last month	Dec. 30, 1949	May 27, 1949
121.9	121.9	121.9	121.8	122.6

(*For Current Prices see Page 9*)

March last year. Production of tetra in March was 7,143 tons, against 5,622 in the preceding month and 6,845 tons in March, 1949. Output of acid pyro was down to 584 tons in March, compared with 766 tons in February.

Sodium Silicate—Demand steady with market holding a satisfactory degree of balance. March production was higher. The total for soluble silicate glass, liquid and solid, was 38,693 tons, compared with 31,416 for February and 35,423 tons for March, 1949. A major producer will advance prices July 1.

Sodium Stannate—Increased producing costs occasioned by the advance in the tin metal resulted in the establishment of a higher market. In producing quarters 44.8c. to 51.3c. per pound was named.

Sodium Sulphate—Anhydrous refined production increased in March. The total amounted to 16,314 tons, compared with a revised figure of 14,147 in February and 11,826 tons in March last year.

Tin Chloride—Market higher in response to the stronger position of tin. Stannous anhydrous priced at 72.13c. to 73.13c. per pound, with demand active.

Tin Crystals—Priced higher at 59¼c. per pound, based on tin metal at 78½c. per pound. Buying interest increasing for immediate shipment.

Tin Sulphate—Stannous prices advanced to 83.7c. to 85.7c. per pound, depending upon quantity. Market adjusted in line with current prices for tin.

Tin Tetrachloride—Anhydrous up ½c. per pound to 48c. to 49c. Higher metal has increased producing costs.

Acids

Chromic—Platers have continued to take on stocks for current requirements but have shown no unusual interest in future wants. Production sustained at a level to meet demand promptly.

Hydrofluosilicic—Maintained a satisfactory degree of balance throughout the past month. Breweries were well represented in the sales volume. Prices steady and unchanged.

Nitric—Continued in active demand for nitrating use. Stocks not excessive but meeting requirements promptly.

Oxalic—Small-lot sales have predominated over the past month. Demand at best, however, has not been of a character to pinch supplies.

Phosphoric—March production amounted to 117,334 tons, and included 59,619 tons made from phosphorus and 57,715 from phosphate rock. The February total was revised to 119,202 tons and in March last year 113,227 tons were made.

Sulphuric—No surplus of this acid at the close of the month. Cutback production resulting from seasonal check-up for plant repairs has kept the market in short supply. Prices have continued firm at the late advance.

Nonferrous Metals

Aluminum—Ingots and pigs were advanced ½c. per pound, establishing the market at 17½c. and 16½c. per pound, respectively. The revision was the first recorded since October, 1948, and was the result of higher producing costs.

Average daily rate of primary aluminum production in March reached the highest level since August, 1944, according to the Bureau of Mines. Output from all eleven reduction plants increased during March, and totaled 58,747 short tons, or 16 percent greater than February. Shipments similarly attained a two-year record volume, and orders already placed seemed to assure continuance of demand for primary metal through the first two quarters of 1950. Stocks of pig aluminum declined to 11,628 tons by the end of the month. Production of primary aluminum for the first quarter of 1950 totaled 161,438 tons, compared with 157,957 tons during the corresponding period of 1949.

Copper—Demand has mounted steadily during the past month, with the market definitely strong. The inability to secure stocks restricted activity, and the supply position at the close of the week was exceedingly tight for anything like prompt shipment. Electrolytic closed at 20½c. per pound, delivered Valley basis.

Lead—According to trade reports, total sales for May are close to a new high monthly record. June shipments have also been heavily booked and a fair tonnage is under contract for July. The market for common grade remained at 12c. per pound New York and at 11.80c. at St. Louis.

Quicksilver—Round lots were priced lower at $70 per flask. Demand continued slow and there appeared to be a desire to stimulate buying interest in 100 flask lots by making the price more attractive. The range for small quantities was unchanged at $73 to $75 spot. Importations last week were 915 flasks.

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ments in the quicksilver market here, with inquiry slow. Metal quoted at $73 per flask.

Silver—Market position steady with consumers showing seasonal interest at current prices. Bullion closed at 72¾c. per ounce in the New York market.

Tin—Closed the week higher with buying interest improved. Most of the tin chemicals were priced on the basis of 78c. per pound tin, although sales of the metal were reported up to 78¾c. Higher prices in the primary markets at London and Singapore contributed strength to the domestic situation.

Zinc—Market higher with more demand than supply at the close of the month. It was stated that the call for prime western and special high grade was exceedingly active. Prime western closed the week at 12½c. per pound East St. Louis basis.

Domestic consumption of slab zinc in February declined 4 percent to 69,903 short tons, largely as a result of the shorter month, according to the Bureau of Mines. All industry groups reported declines in their use of zinc but galvanizers indicated the largest drop of 10 percent. Smelter stocks of slab zinc were 67,419 tons, the lowest monthly total since April, 1949, whereas consumers' stocks of slab zinc increased 12 percent to be the highest monthly level since April, 1949. Stocks of zinc dust at producers' plants were 583 tons.

Production of zinc dust increased 16 percent to 2,496 tons and was the highest monthly output since January, 1949. Smelter production was 69,639 tons virtually equal to the January output of 69,948 tons. Receipts of slab zinc at consumers' plants totaled 79,024 tons in February compared with 69,773 tons in January. All industry groups contributed to the 13 percent increase, but the major gains were 24 percent in receipts at rolling mills, 23 percent at brass mills and 13 percent at die casters.

Sully Offers New Cleaner

A wartime chemical cleaner which was developed for pre-cleaning and post-cleaning of welding and silver brazing operations is being produced and marketed under the name, "Formula 73," by Sully Engineering Ltd., Los Angeles. It can be used as a flux and is now used for preparation of sweat fittings on copper and brass tubing. It has a detergent action as opposed to an acid and, according to the company, will easily clean copper, brass, iron and steel and will remove fluxes, heat scale and surface corrosion.

Commerce Dept. Offers Naval Research Reports

Department of Commerce is offering for sale three reports by the Naval Research Laboratory. They are entitled, "Phosphate Coatings on Steel, Part II" (order PB 100 514), "A Study of Mold Washes for Sand Molds" (order PB 100 515), and "Constant Potential Anodization of Lead in Sulfuric Acid Solutions" (order PB 100 268).

The phosphate report, on sale at 75 cents per copy, describes an x-ray diffraction study of zinc, iron and manganese phosphates, and discusses the possibility of developing a brush-applied phosphating medium that will deposit fine-grained corrosion-resistant coatings at ordinary temperatures. The mold wash report, priced at 50 cents per copy, describes the development of a mold wash containing silica flour for general use. The third paper, on sale at 75 cents per copy, is an interim report covering research basic to the problem of positive-grid corrosion in the lead-acid cell. Reports may be purchased from the Commerce department's Office of Technical Services, Washington 25, D. C., by order number (contained in parentheses).

American Potash Names Directors

John P. Remensnyder, president of Heyden Chemical Corporation, New York, and Dr. Ralph N. Lulek and Simon Askin, both vice-presidents and directors of that corporation, have joined the board of directors of American Potash & Chemical Corporation, Los Angeles, Calif. Mr. Remensnyder succeeds the late Bernard R. Armour, while Dr. Lulel. and Mr. Askin replace Dr. D. B. Keyes and Henry G. Walter, jr., all of whom formerly represented Heyden on the American Potash board.

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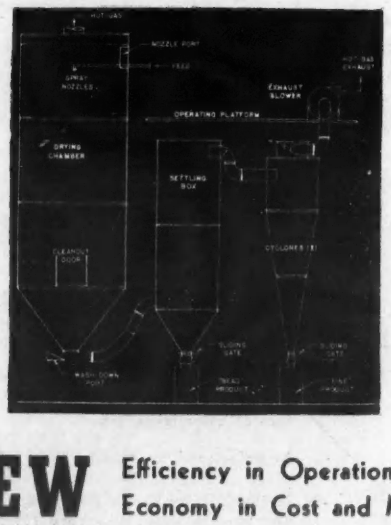

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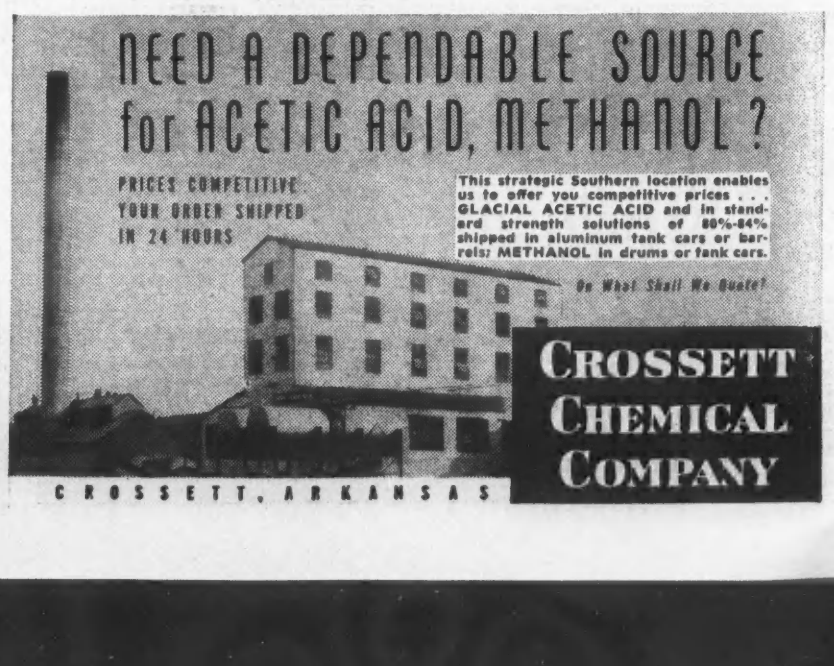
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Diamond Alkali Issues Chlorine Data Chart

Diamond Alkali Company, Cleveland, Ohio, has published an enthalpy-temperature diagram for chlorine. The chart, printed in two colors, gives the principal thermodynamic properties of the chemical in graph form, the heat content of the liquid, of saturated gas and of superheated gas in the temperature range of minus 40 degrees Fahrenheit to 560 degrees Fahrenheit and in the pressure range of 15 to 1,100 pounds per square inch, absolute.

Copies of the diagram, together with a five-page reprint of an explanatory article giving detailed directions for use of the chart and mathematical equations and formulas on which it is based are available on request to the company, 300 Union Commerce Building, Cleveland 14.

General Electric Shifts Gimblette, Appoints Way

General Electric Company has named Frank Gimblette, manager of the concern's Taunton, Mass., plant since 1947, to the company's plastics division's manufacturing headquarters staff at Pittsfield, Mass. At the same time, Thomas H. Way, who until recently was in charge of production engineering for the Murray Body Corporation, Detroit, Mich., has been named manager of the Taunton plant. Mr. Gimblette has been with General Electric since 1920. Mr. Way, prior to his Murray corporation connection, was with the Houdaille - Hershey Corporation, Detroit.

Alcoa Names Wood Chief Magnesium Metallurgist

Aluminum Company of America, Pittsburgh, Pa., has appointed Robert T. Wood chief metallurgist of the firm's magnesium products, effective June 1. Mr. Wood came into the Alcoa organization in 1922 via the American Magnesium Corporation, Niagara Falls, N. Y., a wholly-owned subsidiary of the parent company. In 1940 he became chief metallurgist for American Magnesium in Cleveland, Ohio, which position he will retain until his new appointment becomes effective on Thursday. Alcoa recently announced the inactivation of American Magnesium Corporation as of June 1.

Hall Labs Names Welsh

John N. Welsh, director of engineering service of Hall Laboratories, Inc., Pittsburgh, Pa., since 1939, has been named associate director of the firm. Mr. Welsh joined the Hall organization as a service engineer in 1929. He was also formerly associated with the old Westinghouse Battery Company, Swissvale, Pa.; Calorizing Company, Wilkinsburg, Pa., and the D., L. & W. Railroad, Scranton, Pa.

Morrison-Knudsen Co. Acquires Control of H. K. Ferguson Co.

Morrison - Knudsen Company, Boise, Idaho, has acquired the controlling stock of the H. K. Ferguson Company, Cleveland, Ohio. Otto F. Seidler will continue as executive vice-president and general manager of the Ferguson company, the action, taken to broaden the activities of both companies, bringing with it no changes in management, personnel or policy. The Ferguson company recently completed a plant for Corn Products Refining Company at Corpus Christi, Tex., and has contracts for numerous other chemical concerns in various stages of completion.

Western Australia Plant Set Up To Produce Tantalum, Columbium

A plant for the production of tantalum, columbium and beryllium has been established in Welshpoole, Western Australia. The difficulty of raising necessary funds in the amount of 80,000 Australian pounds has until now stood in the way of production operations. However, American financial interests are currently reported to be interested in the project.

Glass Container Shipments Up

The total shipment of narrow-neck glass containers in gross during March was 5,175,067, as compared with 3,977,750 in February, according to the Bureau of Census. In this category, the amount used for medicinal and health purposes was 1,192,184 in March, against 972,483 in February; chemicals, 643,690 in March, against 546,029 in February, and toiletries, 494,149 in March, against 441,568 in February.

The total shipment of wide-mouth glass containers in gross during March was 2,954,221, as compared with 2,770,739 in February. In this category, the amount for medicinal and health purposes was 261,566 in March, against 257,955 in February; chemicals, 126,815 in March, against 121,264 in February, and toiletries, 114,290 in March, against 137,252 in February.

Trade Briefs

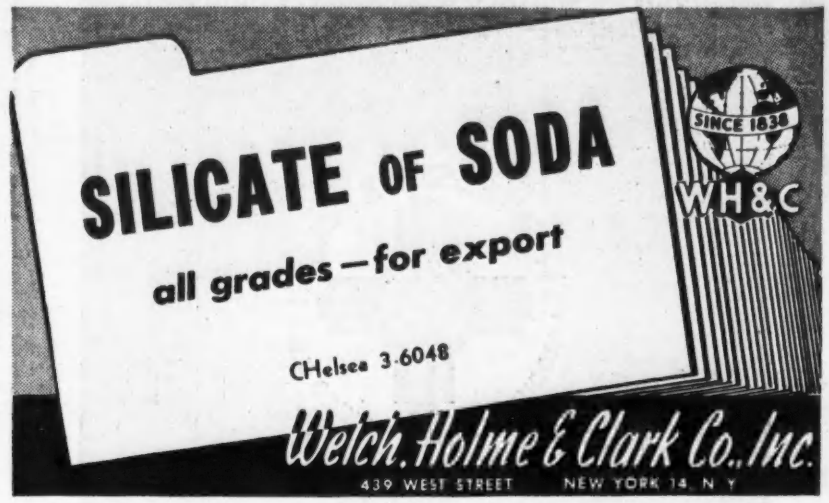
Chinese government enterprises are expected to produce, among other things, 90,000 cases of matches and 200,000 cases of soap this year.

Joseph L. Wood, assistant treasurer of the Johns-Manville Corporation, has been elected treasurer of the Sales Executive Club of New York.

Harry J. Obarski has been appointed assistant division manager at Chicago by U. S. Industrial Chemicals, Inc. He has been with USI since 1921.

Douglas H. Allen, chairman of the Astoria Importing & Manufacturing Company, has been elected a director of the Cerro de Pasco Copper Corporation.

Elmet Division, North American Philips Company specializing in tungsten and molybdenum items, Lewiston, Me., has made Rudolf Lowit vice-president in charge. He was general manager.



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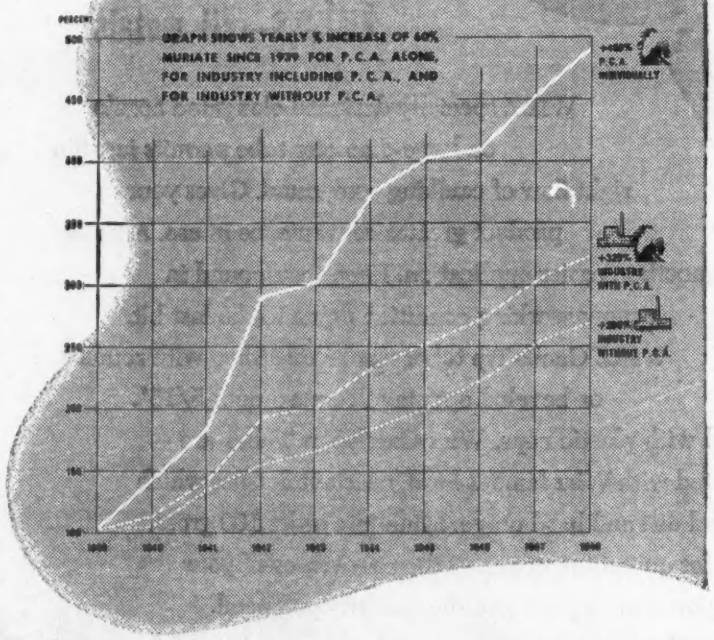
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Agricultural Chemicals

Steamed bone meal was priced lower last week with demand slow. Prices of fish meal and hoof meal were also revised downward with trading quiet. There were no new price changes in dried blood or tankage. Buyers are experiencing less difficulty in securing castor pomace. Coke-oven ammonium sulphate has found a readier market at the recent price decline. Superphosphate sales have slowed down and so have phosphate rock shipments. Demand for potash was active and producers have written a substantial amount of contract business. French muriate and sulphate are being offered for shipment covering the period from June to March, 1951. No unusual activity featured sodium nitrate, cyanamide or ammonium nitrate. Some producers of BHC will advance prices June 1.

Superphosphate production in the United States, according to a joint compilation of the National Fertilizer Association and the Census Bureau, was greater during March than in any month on record. Output at 191 plants totaled 1,072,000 equivalent short tons (basis 18 percent APA), or approximately 5 percent more than was turned out in March, 1949.

Figures received by NFA from states having either tax tag or fertilizer sales reporting programs reveal that the tonnage reported under these programs last month was the highest for any April on record. Totaling 1,552,000 equivalent short tons (26 percent more than in April, 1949), the latest figures exceed those of the same month last year in each of the 13 reporting states.

The South reported tag sales plus manufacturers' shipments equivalent to 1,303,000 tons, or 229,000 tons more than a year ago, while the 3 midwestern states sold tags representing 219,400 tons of fertilizer, a gain of about 85,000 tons over April, 1949.

March imports of fertilizers and materials totaled 176,000 tons valued at $7,100,000, compared with 126,000 tons valued at $5,000,000 in the preceding month. Exports of nitrogenous fertilizer materials in March were 301,966,000 pounds valued at $6,600,000, against 252,448,000 pounds valued at $5,400,000 in February.

Nitrogenates

Ammonium Nitrate—Production of original solution in March was 94,949 tons, including 82,218 tons of fertilizer grade and 12,731 of other grades. The total for February was 92,264 tons and in March last year 85,079 tons were made.

Ammonium Sulphate—Converters produced 127,393 tons of technical in March, compared with a revised total of 114,366 in the preceding month and 28,497 tons in March 1949. March output this year was the highest on record. Consumers have taken normal quantities of coke-oven sulphate at the recently lowered prices.

Bone Meal—Steamed grade priced lower at $58 per ton, with demand slow. Imported priced lower at $56, c.i.f. New York. Raw meal unchanged at $62.50 per ton. All prices for domestic are f.o.b. the works.

Castor Pomace—Market position steady with sales reported at $30.50 per ton in bags, carlots, works.

Dried Blood—Prices held at former levels in a quiet market. Sellers quoted $6.50 per unit of ammonia, New York, and $6.25 Chicago.

Fish Meal—Sales of menhaden on a when-and-if basis at $130 per ton, Baltimore area. Spot lower at $140. Trading relatively quiet.

Hoof Meal—Priced lower at $6.50 per unit of ammonia, Chicago basis. Buyers not interested at present.

Sodium Nitrate—Not unusually active and no price change announced. Supply situation continued comfortable.

Tankage—Market quiet and steady with occasional sales at $7.50 per unit of ammonia, New York, and $8.50 Chicago.

Phosphates

Phosphate Rock—No new developments last week. The movement has not exceeded seasonal limits and has been confined principally to regular contracts.

Superphosphate — Domestic production in March totaled 913,952 short tons for normal, 61,267 tons for concentrated, and 4,512 tons for wet-base goods, according to the Bureau of the Census. A production gain over March 1949 of 46 percent was reported for concentrated superphosphate, while the March 1950 totals for each of the three grades are higher than those for the previous month.

March shipments were also greater than those for the previous month. Almost twice as much concentrated superphosphate was shipped in this month as for the corresponding period last year. Stocks on hand for normal superphosphate declined 22 percent (821,629 tons) during the month; concentrated, 25 percent to 70,447 tons, and wet-base goods, 32 percent. However, wet-base goods inventories at 11,964 tons still were 125 percent higher than the quantities on hand at the end of March 1949.

Activity in the market has narrowed down to a seasonal level. Interest appeared to be gaining in future shipments and it is expected that considerable contract business will be placed shortly. Prices were unchanged.

Market Trends

Prices Advanced

None

Prices Reduced

Bone meal, steamed, $2 per ton.
Fish meal, menhaden, $5 per ton.
Hoof meal, 50c. per unit of ammonia.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 27, 1949
81.2	81.2	81.6	81.6	81.6

(*For Current Prices see Page 9*)

Potashes

Buying interest in future shipments was exceedingly active last week and producers have written a substantial amount of contracts covering requirements for the new season. Output has continued at capacity and shipments from plants have been regular. French muriate 58-60 percent K_2O in bulk for shipment June to March 1, 1951, is offered at 59.3c. per unit, c.i.f. North Atlantic ports, and about 1c. less at South Atlantic ports. French sulphate is priced at $44.92 per ton in bulk, c.i.f. Northern, and around $1 less c.i.f. Southern ports, shipments June to March 1, 1951.

Los Angeles Fertilizer Market

Los Angeles.—The market continues to be very slow with only nominal trading reported. Prices for inorganic materials have been firm while organic materials show some fluctuation. Blood meal and tankage tend to be stronger whereas fish meals are weaker.

Ruling prices were:—Ammonia nitrate, $69.94 per ton, f.o.b. Los Angeles. Canadian material same. Ammonia phosphate, $65.15 per ton for 16/20 grade, f.o.b Los Angeles. $89.65 per ton for 11/48 grade, f.o.b. Los Angeles. Canadian material same.

Pesticides

BHC will be priced higher at 1¾c. per gamma isomer by some of the producers on June 1. At this time it is not known whether a general advance will be made effective. The available supply is exceedingly tight and firm backed by the strong conditions prevailing in benzol and chlorine. DDT is in a similar supply position with the current shortage possibly more pronounced. The recent advance in copper sulphate had no apparent effect on demand and producers are experiencing considerable difficulty in meeting requirements. Buying interest is gaining in the arsenicals but so far no shortages have been announced.

Calcium Arsenate—Production of commercial in March amounted to 603 tons compared with 64 tons for the corresponding month in 1949, according to the Bureau of the Census.

Lead Arsenate — March output was placed at 2,784 tons of acid and basic, against 1,878 in the preceding month and 1,417 tons in March last year.

Bureau of Entomology and Plant Quarantine proposes to extend quarantine restrictions for the Japanese beetle to various areas in New York, Ohio, Virginia and West Virginia.

Sulphur

Heavy consuming demand has been well sustained during the past month. Mine shipments have continued of satisfactory dimensions and stocks have remained adequate to meet requirements. March production was placed at 412,425 long tons, compared with 376,942 in the preceding month and 402,711 long tons in March, 1949, according to the Bureau of Mines.

For Late Market Developments, See Page 4

Pesticides Recommended

—Continued from page 3

piperonyl butoxide; n-propyl isome; van Dyke 264; lime-aluminum sulphate; zinc oxide; ryania; sabadilla; quassia; nicotine; metaldehyde; methoxychlor; piperonyl cyclonene; hellebore; rotenone; rotenoids; dihydro rotenone; sulphonated castor oil; zinc lime, and zinc sulphate, basic.

Then there are a number of substances the properties of which are such that I believe their residues on fruits and vegetables constitute a public health hazard. These substances are poisonous or deleterious or both. Individually or collectively, such substances are:—

Heptachlor; aldrin; benzene hexachloride; dieldrin; lindane; chlordane; toxaphene; TDE; DDT; nitro-chlorophenyl-propane; nitro-chlorophenyl butane; cadmium copper lime chromate; selenium derivatives; copper arsenate; copper acetoarsenate; lead arsenate; magnesium arsenate; zinc arsenite; calcium arsenate; basic lead arsenate; manganese arsenate; arsenic trioxide; sodium arsenite; tartar emetic; bismuth subsalicylate; barium fluosilicate; barium carbonate; cryolite; sodium fluosilicate; sodium fluoride; mercurous chloride; mercuric chloride; phenylmercuric triethanol ammonium lactate; ethyl mercuric phosphate; phenylmercuric acetate; phenylmercuric formamide; phenylmercuric monoethyl ammonium acetate; parathion; methyl parathion; paraoxone; tetraethyl-dithionon-pyrophosphate; ethyl-p-nitrophenyl-thionobenzene phosphate; octamethyl pyrophosphoramide; glyoxalidine; lethane-60; lethane-384; lethane A-70; thanite; phenothiazine; dinitro-o-cresol; dinitro-o-cyclohexylphenol; dinitro-o-cyclohexylamine salt of phenol; dinitro-secondary butyl-phenol; triethanolamine salt of dinitro-secondary butyl-phenol, and dinitro capryl phenyl crotonate.

These substances, as far as I know, are likely to leave residues as a result of their commercial use as insecticides or fungicides. Naturally, the significance of the public health problem is dependent upon the amount of residue likely to remain when they are used in the production of fruits and vegetables. I believe that a quantitative tolerance for each of these substances is necessary for protection of the public health.

In addition to these substances which I have listed as poisonous or deleterious, there are a number of other poisonous substances which are in a somewhat different category in that they are believed to volatilize or decompose or be applied in ways that do not result in any up-take of the material by the plant. For example, hydrocyanic acid and various cyanides are definitely poisonous. If used as fumigants so that little or no hydrocyanic acid is taken up by the fruit or vegetable there would be no health hazard involved. The cyanides are in a somewhat different category from most of the other substances which I have indicated as poisonous or deleterious in that danger from cyanide poisoning is more likely to be danger from acute poisoning than from chronic poisoning.

There are a number of poisonous substances used as soil fumigants. These, as I understand it, are applied in such a way that there is no uptake by the edible portion of fruits or vegetable of the poisonous substances. If this is a fact, then there will be no public health problem to consumers of fruits and vegetables from their use. Such fumigants are:—

Hydrocyanic acid gas; cyanogen chloride; carbon disulphide; carbon tetrachloride; ethylene dichloride; DD mixture (1, 2-dichloropropane and 1,3-dichloropropylene); methyl bromide; ethylene dibromide; dichloroethyl ether; beta-methylallyl chloride; acrylonitrile; paradichlorobenzene; methylene chloride; chloro picrin, and naphthalene.

Then we have substances like tetraethyl and hexaethyl pyrophosphate which are quite poisonous under some conditions but which apparently decompose rapidly so that I understand it is unlikely that any of these materials themselves will remain on fruits or vegetables when these are ready for shipment. If these substances do decompose and if the products of decomposition are innocuous, there would appear to be no public health problem involved from any residues.

There are still other poisonous substances used for treating seed. If such treatment is properly applied I would think that there would be no up-take problem or public health problem from fruits and vegetables grown from such treated seeds.

Tetramethyl thiuram disulphide; mercurous chloride; corrosive sublimate; 2,3, dichloro-1,4-naphthoquinone; chloranil; ethyl mercuric phosphate; phenylmercuric salts; yellow oxide of mercury, and zinc mercury chromate complex.

Lastly, because of lack of information, it is not possible for me to classify at this time any of the chemicals listed below:—

Anabasine; azobenzene; p-butoxy-phenylpropane; di-(p-chlorophenyl) methyl carbinol; p-chlorophenyl p-chlorobenzenesulphonate; aramite (alkyl aryl sulphite); hydroxymethyl flavan; DFDT (fluorine analog of DDT); phenoxathiin; scorodite; tetraisopropyl pyrophosphate; 2,3 dichloro, 1.4, naphthoquinone; copper 8 quinolinolate; lauryl isoquinolinium bromide; lauryl pyridinum bromide; lauryl quinolinium bromide; magnesium 8 quinolinolate; 8 quinolinol benzoate; zinc mercaptobenzothiazole; zinc nitrodithioacetate; zinc 8 quinolinolate; xanthone; calcium ethylene bis dithiocarbamate; manganese dimethyl dithiocarbamate; zinc N-ethyl (betacyanoethyl) dithicarbamate; zinc dimethyl dithiocarbamate cyclohexamine complex; 4 chlorophenoxy acetic acid; naphthalene acetamide; 2, 4, 5 trichloro phenoxyacetic acid; chloranil; Cl mercaptobenzothiazole; copper naphthenate; copper nitroacetate; copper nitro dithioacetate; diphenyl guanadine phthalate; 8 hydroxy quinolinoline sulphate; thiuram disulphides; nickel carbamate; zinc dimethyl dithiocarbamate; zinc ethylene bis dithiocarbamate; disodium ethylene bis dithiocarbamate; ferric dimethyl dithiocarbamate; disodium salt of 3, 6 endoxo hexahydro phthalic acid (endothal), and 2', 2" dihydroxy 5', 5" dichloro diphenyl methane.

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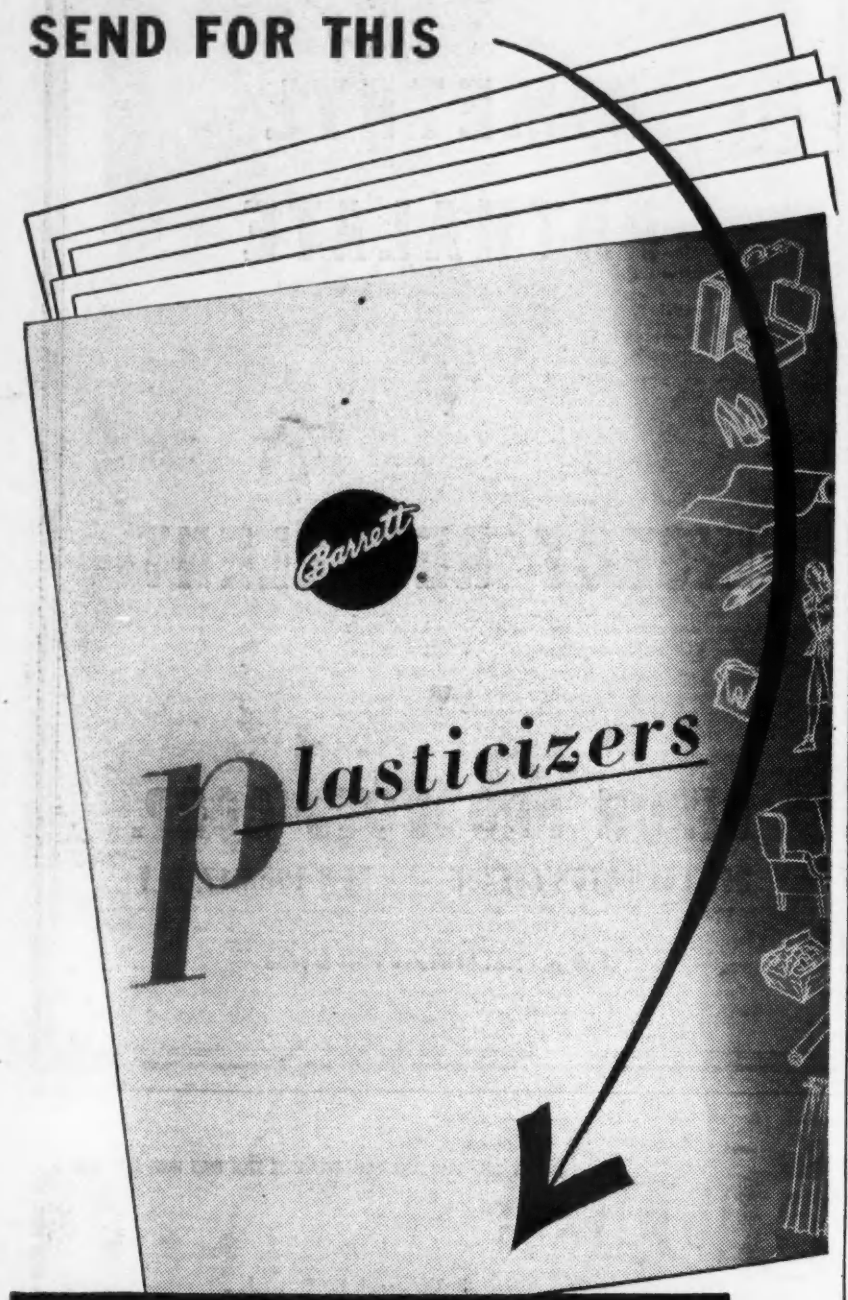

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Coaltar Chemicals

Upward price movements initiated in certain sections of the industry on various intermediates and reported the previous week, were not as yet generally adopted by all producers. Cost studies in relation to selling prices were known to be underway. In view of the announced increase of 15 cents per 100 pounds effective July 1 on chlorine, of higher material costs on much of the benzol in use, and increasing manufacturing and shipping costs, there was little doubt that generally higher price schedules on a good number of materials would be effected by the beginning of the third quarter.

The continued critical shortage of chlorine and benzol were hampering production of phenol, styrene, ortho and paradichlorobenzenes, monochlorobenzene, anilin, and many of the other important benzol derivatives and chlorinated intermediates. Phthalic anhydride was in good supply, but a substantially improved demand in most quarters was noted, and shipments were being made in heavier volume. Creosote was ample, naphthalene abundant, and cresylic materials scarce. Basic products were, as yet, held firm in price.

Steel production schedules for the week ended May 27, as reported by the American Iron and Steel Institute, was at a higher level of production than ever before. Operations were at 101.8 percent of theoretical capacity equivalent to 1,940,600 tons of ingots and castings, compared with 1,931,000 tons the previous week, and 1,734,700 tone one year ago.

Basic Products

Benzol—An acute scarcity of this item continued to characterize the market. Prices of coaltar source material, domestically produced, were stilled unchanged at the regular shipping points. Sufficient benzol bought at substantially higher prices on resale, from abroad, or from petroleum sources, or shipping long distances overland at high freight costs, led to an upward price tendency on several benzol derivatives. However, on many of the derivatives, such as those which are chlorinated, an announced price rise of 15c. per 100 pounds on chlorine July 1, was a factor in the upward price trend.

Creosote—Demand was well sustained, prices were unchanged, and supplies were ample but not held to be excessive. Wood preserving was continuing at a high level, and observers saw no immediate possibility of any significant slowing down of operations.

Cresylic Materials — Cresylic acid and cresols were still in short supply against a strong demand. Prices were unchanged. Business volume continued heavy.

Naphthalene—Supplies were abundant. The overall demand was good, and demand for the production of phthalic anhydride was up. Prices were firm at their recently established lower levels.

Phenol—The shortage of benzol directly, and of chlorine indirectly, contributed to an acute overall shortage of synthetic phenol. Natural was just as tight. Prices were unchanged. Demand continued heavy. Most consumers were able to get sufficient material to take care of their most pressing immediate needs, but no more.

Pyridin—Prices were unchanged in the continuing weakened market. Supplies were ample, and the diminished seasonal pharmaceutical demand was resulting in accumulated stocks.

Toluol — The availability of coaltar source material was far from meeting the overall demand, although on a gallonage basis the output was quite comparable to the peak production periods of normal markets. Prices were unchanged.

Xylol—The scarcity of coaltar source material in particular, and xylol in general, made for a tight market. Prices were unchanged at all coaltar shipping points, remaining competitively unaffected by the rise of petroleum source material in certain areas, except perhaps for a more intensive demand for coaltar material because of the increased price differential.

Coke By-Products

Estimates of by-product cokeoven operations in the week ended May 13 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,054,412
Ammonia sulphate	lbs.	27,293,736
Benzol	gals.	3,440,714
Coaltar	ga's.	12,763,942
Creosote oil	gals.	710,341
Naphthalene, crude	lbs.	1,687,070
Phenol	lbs.	199,783
Toluol	gals.	688,142
Xylol	gals.	155,387

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 27, 1949
104.3	104.3	105.0	110.1	117.3

(*For Current Prices see Page* 9)

Dyes

The dyestuffs industry in general was operating at a relatively slow rate by reason of the current slump in the textile industry. Most colors were in slow demand except vat colors which were said to be holding up well.

The former Drug and Cosmetic color, Violet No. 1, by virtue of improved manufacturing processes resulting in a reduction of impurities, was now being marketed as a Food, Drug and Cosmetic color. Price quotations on FD and C Violet No. 1 were at the same level as had been quoted on the dye when it was a D and C color only.

Intermediates

Acids, Naphthol Sulphonated—Price advances and declines on Cleve's, Peri, and Laurent's acids announced by one maker recently, had as yet not become industry-wide, but current cost and selling price studies now under way by other producers were felt likely to lead to generally adjusted price schedules for the third quarter on these materials.

Anthraquinone—Price quotations of 85 cents per pound continued firm on this item. The vat dye operations of the textile industry kept up a good demand for vat colors, despite a slump in the textile industry generally. In consequence, there was a sustained good demand for anthraquinone, which kept production facilities at a peak level output.

Dichlorobenzenes — Advanced price schedules indicated in the previous issue which reported upward adjustments in orthodichlorobenzene of ½ cent per pound, and on paradichlorobenzene of 1 cent per pound in the East on carlots, 1½ cents on less than carlots, and 1¾ cents in the West, were as follows:—

Orthodichlorobenzene in the East under the increased price schedule announced by one producer was quoted at 7¾ cents per pound in tankcars, 9¼ cents in drum carlots, and 10¼ cents in less than carlot drum quantities. In the West, prices were listed at 9½ cents in tankcars, 11 cents in drum carlots, and 12 cents in less than carlot drum quantities. As yet other producers had not followed with a revised price announcement, but the matter was known to be under serious consideration as producers surveyed costs in relation to selling price.

This same thing applied to the higher announced price schedule on paradichlorobenzene. In the East carlot prices were 1 cent per pound higher with the price varying according to the package size. Meanwhile, in less than carlot quantities, prices were up 1½ cents. Packaged in 200-pound drums, Eastern prices were 12 cents per pound carlots, and 14 cents less carlots. In 100-pound drums the schedule was 13 cents per pound carlots, and 15 cents less carlots. In 50-pound drums the listing was 14 cents per pound in carlots, and 16 cents in less than carlots. In 25-pound drums the carlot price was 15 cents, and in less than carlots 17 cents. In the West prices were simply quoted at 13¾ cents per pound in carlot quantities, and 15¼ cents in less than carlot quantities, representing an advance of 1¾ cents per pound.

The feeling was generally held in the trade that other producers, when they had finished their cost relationship to selling price studies now under way, would probably go along with this higher price schedule, at least in part. Back of the price rise was the same set of accumulated factors, discussed more fully below under monochlorobenzene. Meanwhile, supplies of paradichlorobenzene in the face of heavy demand was critically short, reflecting the acute scarcity of chlorine and ben-

For Late Market Developments, See Page 4

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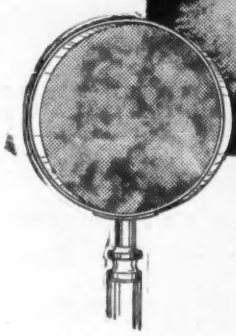

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zol. Ortho was likewise short, but less severely so.

Diorthotolylguanidin — Ton lots continued to be quoted at 48 cents per pound on a freight-allowed basis, with less than ton lots listed at 50 cents per pound. These prices have prevailed in the market for many months for material packaged in either bags or fiber drums, and there was every expectation that no price changes would be made in the immediate future. Consumption over the long-range view has indicated lesser interest in the guanidin accelerators in favor of other rubber accelerators.

Mercaptobenzothiazole—Prices prevailing in the market on this rubber accelerator since April 1 on a freight-allowed basis, packaged in bags or in fiber drums, were 30 cents per pound for ton lots and 32 cents for less than ton lot quantities. Supplies were regarded as adequate, despite the steady demand in the face of a benzol shortage. A market trend with respect to consumption between mercaptobenzothiazole and mercaptobenzothiazyldisulphide tended to favor the latter. A specially refined odorless grade of MBT was available at 42 cents per pound in ton lots and 44 cents in less ton lots.

Mercaptobenzothiazyldisulphide — Consuming trends of MBTS versus MBT were in the direction of the sulphide. Prices on this rubber accelerator were firmly quoted at 38 cents per pound in ton lots and 40 cents in less than ton lot quantities, on a freight-allowed basis, packaged in bags or fiber drums. Material was available in pellet form at prices ½ cent per pound higher.

Monochlorobenzene — Current spot prices ranged in the East over a 1 cent per pound price spread. Prices over recent months had carried a ½ cent per pound spread between different producers. By virtue of a price advance of ½ cent per pound by a leading producer effective in the middle of May on spot and July 1 on contract, the price spread was widened.

Back of the announced price advance was the accumulation of increased material costs, higher manufacturing costs, and increased freight rates. Benzol itself under normal price schedules and delivery had not as yet advanced despite rumors to that effect. However, in view of the critically tight supply of benzol, costs to producers of benzol derived chemical intermediates were up very significantly over levels of a few months ago. This was true because in order to take care of consumer's intermediate needs, producers were having to transport benzol over long distances in overland freight in order to keep up production, or they were having to buy high priced petroleum source synthetic material, or to import benzol at costs considerably in excess of the domestic price level.

These things, together with the announced price increase of 15 cents per 100 pounds on chlorine effective July 1, contributed to the advancing price structure on chlorinated benzol derivatives.

Under the higher price schedules, monochlorobenzene advanced ½ cent per pound in the East and 1¼ cents per pound in the West. Eastern prices were scheduled at 7 cents per pound in tankcars, 8½ cents in drum carlots, and 9½ cents in less than carlot quantities. Western prices under the new schedule stood at 8¾ cents per pound in tankcars, 10¼ cents in drum carlots, and 11¼ cents in less than carlot drum quantities. As yet, these price advances were made by only one producer. Other producers, however, had the matter under consideration, were surveying the matter of costs in relation to selling prices, and it was expected in most sections of the industry that July 1 would see the price schedule in the industry at a higher level. Supplies were critically short because of the acute scarcity of chlorine and benzol.

Monoethylanilin — Prices were reduced recently on this item, effective immediately on spot and July 1 on contract by at least one producer, but as yet not by all producers. Accordingly, the market currently showed a price range on spot material of 59 to 60 cents per pound. Minimum transportation under the price schedule was allowed East of the Mississippi river.

Paranitrotoluene — This intermediate was in moderate demand, amply available, and moved at a firm price position of 30 cents per pound.

Paratoluidin—Supply and demand were in a favorable balance, with ample quantities available. Demand was said to be currently moderate. Prices were firm at 55 cents per pound.

Phthalic Anhydride—Some quarters reported indications of a slight pickup in demand on this item, while other pro-

BETHLEHEM COAL CHEMICALS

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ducers reported the market as still in about the same status as before, with supplies on the long side. In any event, there was ample material available, in any desired quantity, for reasonably prompt shipment. Prices were firm at 17½ cents per pound in carlot bag quantities, and 18½ cents in less than carlot quantities. Barrels were priced ½ cent per pound higher.

Trichlorobenzene—The price schedule announced the previous week by one producer and reported in the previous issue as representing a ½ cent price advance in the East and 1¼ cents in the West, resulted in the following price schedule:—In the East, tankcars were quoted at 9 cents per pound, drum carlots at 10½ cents and less than carlot drum quantities at 11½ cents. In the West tankcars were listed at 10¾ cents per pound, drum carlots at 12¼ cents, and less than carlot quantities at 13¼ cents. This increased price schedule was as yet announced by only one producer, with the quotations effective at mid-May on spot and July 1 on contract. Other producers had the matter under consideration, and it was felt in most quarters that the beginning of the second quarter would see the level of the market higher, in general. Back of the price advance were the same reasons as discussed in detail above under monochlorobenzene. Supplies were short by reason of the benzol and chlorine shortages.

ECA Announces Additional Procurement Authorizations

Among the new procurement authorizations issued to Marshall Plan countries by the Economic Cooperation Administration during the period May 19 to 25 were the following:—

To Austria—$100,000 for nonmetallic minerals and $15,000 for nickel products from the United States.

To Belgium-Luxemburg—$150,000 for hides and skins from Latin America.

To China—$900,000 for nitrogenous fertilizers from the United States.

To France—$4,072,000 for chemicals from the United States.

To Germany—$525,000 for nonferrous metals, $900,000 for nonferrous ores and concentrates, and $135,000 for animal organs from the United States; $377,000 for nonferrous ores and concentrates from Canada.

To Greece—$360,000 for petroleum from the United States.

To Ireland—$512,000 for petroleum from the United States.

To Italy—$175,000 for agricultural pesticides from the United States.

To Norway—$300,000 for chemicals from the United States.

To Sweden—$133,000 for nonmetallic minerals from Canada.

Exporter Gets 10 Years For Fraud in Dyestuffs

Irving Grossman, who operated the Kent Sales Company and the Kent Chemical Corporation, both of New York, and later the Pacific Color Company, Los Angeles, Calif., under the assumed name of Charles E. Fox, was sentenced May 8 to ten years in a federal penitentiary for export frauds. In passing sentence, Judge Harry C. Westover of the United States District Court for the southern district of California also ordered Mr. Grossman to make restitution to customers abroad in the amount of $41,176.

Indicted in both Los Angeles and in the southern district of New York on charges that he filled orders from abroad for textile dyes by fraudulently shipping common table salt, Mr. Grossman received sentence on both indictments. Investigation of the case was conducted by the enforcement staff of the Office of International Trade.

Textile Research Institute Elects Alford as Secretary

Paul C. Alford, jr., has been elected secretary of the Textile Research Institute, succeeding D. B. MacMaster. In addition to his new post, Mr. Alford will continue as administrative assistant to the director of research.

Metal Cans Shipments: March

Total shipments of metal cans during March showed a slight decrease, according to the Bureau of Census. These figures are based on metal can shipments expressed in terms of the weights of steel consumed in the manufacture of the cans shipped. In the month of March, metal can shipments on this basis amounted to 236,413 short tons, as compared with 198,279 short tons shipped during February.

Trade Briefs

Thomas Whelan, jr. has been appointed district sales manager for the Houston, Tex., office of The Patterson Foundry & Machine Company, East Liverpool, Ohio. He was formerly with C. F. Braun Company.

Marion B. Folsom, treasurer, and a director of the Eastman Kodak Company, Rochester, N. Y., has been elected chairman of the board of trustees of the Committee for Economic Development. He had been vice-chairman since 1945.

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Textile and Leather Chemicals

While business in textile and leather chemicals lacked volume, continuing in a hand to mouth manner, last week prices for the entire list were unchanged and generally steady.

Sizing materials moved spasmodically, chiefly for actual requirements. Corn dextrin and starch were well held at the recent advance, reflecting the steadiness of cash corn. Potato starch was in slow demand, but inventories held by producers were not excessive and may not be adequate to cover requirements until the new season opens next November. As result producers were inclined to raise the price for forward deliveries. Conditions in tapioca flour were unsettled and the trend of prices was downward due to the lower cost of new crop replacements from Brazil. This resulted in consumers confining demand to supplies on the spot. Sago flour remained firm, owing to the strength at primary centers. Stocks in the local market were limited and well held.

Tanners showed little interest in tanning material replacements last week. Market conditions were quiet and quotations were without change for both domestic and imported materials. Wattle and quebracho were steady, while other imported materials could have been shaded for sizable quantities.

First quarter 1950 production of woolen and worsted woven fabric was 108,000,000 yards, a decline of 8 percent from the fourth quarter, but up 6 percent from the first quarter 1949, according to preliminary figures released by the Census Bureau. The over-all decline was largely the result of decreased activity in production of women's and children's wear fabrics output, which declined 15 percent from the fourth quarter level.

Rayon broad woven goods production during January-March was the largest of any quarter since 1943 and was 11 percent above the fourth quarter of 1949, according to the Census Bureau. A total of 588,000,000 linear yards were produced, against 529,000,000 yards during October-December last year. Yarn consumed in the first quarter amounted to 195,000,000 pounds, of which 172,000,000 pounds was rayon, 5,000,000 pounds nylon and 18,000,000 pounds other fibers. Output of all fabrics groups increased except 100 percent nylon fabrics, which declined from 28,000,000 yards to 26,000,000.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 27, 1949
225.2	225.2	234.8	286.0	325.0

(*For Current Prices see Page 9*)

Chemicals

Acetic Anhydride—Market was steady, with moderate demand noted for prompt requirements. Quotations were without change.

Bichromates—Business was reported fairly active, chiefly for prompt delivery. Prices were maintained at current levels.

Sodium Acetate—Trading was reported as fair for immediate requirements. Prices were quotably unchanged and steady.

Sodium Hydrosulphite—Consuming demand was reported spotty, mainly for actual requirements. Prices were unchanged and steady.

Sulphonated Oils—Business lacked snap, and was restricted to immediate needs. Castor oil was maintained at current levels, while tallow was easier and reduced ¼c.

Sizing Materials

Albumin Blood—Market was unchanged and steady. Business was fairly active for immediate delivery. Albumin and dried soluble blood quotations were without change.

Corn Dextrin—A firm tone prevailed in this market. Business was of good volume, which kept the output sold up. Quotations were maintained at the recent fractional increase, and guaranteed against advance until May 31.

Corn Starch—Buying interest was in fair-sized quantities, but spotty. Consumers continued to limit demand to prompt needs. Market was firm at the recent fractional price increase, which was guaranteed against advance up to May 31. Visible corn supply was increased 562,000 bushels to 42,076,000 bushels for the week ended May 20, against 10,925,000 bushels at this time last year.

Egg Albumen—Liberal offerings and light demand continued to unsettle this market. Business was fair, but confined to actual requirements. Edible flake was quoted at $1.10 to $1.14 per pound, depending upon quantity. Inquiry for technical was light, with quotations covering a wide range from 70c. to 78c. per pound, depending upon quantity and quality. Department of Agriculture announced that the purchase of dried eggs will be continued during July and August at 25c. a dozen (27c. a dozen when delivered by the producer to the plant of the drier). This will be a continuation of the support program that has been in effect since January, and at the same levels. Offers of dried eggs will be received for July delivery beginning June 6, and for August delivery beginning July 4. In another action aimed to relieve the current egg surplus in the midwest, the department waived requirements that egg driers cannot make price support sales to the government more than thirty days in advance, thereby enabling driers to make steady purchases of surplus material beyond a thirty-day inventory. Officials stated they will not extend the egg support program further to include frozen egg purchases until after the revised dried egg program is thoroughly tested.

Egg Yolk—Trading was restricted to actual requirements. Market remained unchanged and steady for domestic yolk at $1.08 to $1.12 per pound, depending upon quantity. Chinese yolk was quoted at 80c. to 85c. per pound, duty paid, according to quantity.

Potato Starch—While consuming demand lacked volume, the market was firm. Sellers maintained 5c. per pound, carlots, f.o.b. mills, immediate and ¼c. more for futures. Stocks held by producers were not liberal and closely held. Production at eastern and western mills has steadily dwindled and was expected to cease during the next week. Less carlot quantities ranged from 7c. to 7½c. per pound, ex warehouse for spot delivery.

Sago Flour—Firm conditions at primary centers continued to stiffen the local market. Stocks on the spot were maintained at 5½c. to 5¾c. per pound, according to quantity.

Tapioca Flour—Low prices for new crop replacements continued to unsettle this market. Trading was light for spot delivery and restricted to actual requirements. Brazilian high grade was quoted at 7c. to 7½c. per pound, prompt delivery, as to quantity; medium, 6½c. to 7c., and low, 5½c. to 6c.

Wheat Starch—Trading was confined to moderate quantities for prompt delivery. Prices were maintained at the recent advance of 10c. per 100 pounds.

Tanning Materials

Chestnut Extract—Prices were steady at the recent fractional decline. Business was spotty, chiefly for actual requirements. Arrivals totaled 400 bags at New York from Genoa last week.

Cutch—This market remained steady. Inquiry was fairly active for replacements. Shipments were unchanged and maintained at 7c. per pound, ex dock.

Mangrove Bark—Business was reported quiet. Shipments of South American bark were well held at former levels. Inquiry was restricted to prompt delivery.

Myrobalans—Trading of late has been restricted to prompt shipment. Offerings for shipments were without change and steady.

Quebracho Extract—While interest in replacements was confined to prompt shipment, the market remained steady at unchanged quotations. Offers were liberal. Imports amounted to 18,565 bags at Atlantic ports last week.

Valonia—Offerings of powdered extract were maintained at 9½c. per pound, ex dock, duty extra, for shipment from Turkey. Demand for cups was inactive.

Wattle—The market for bark and extract was strong at the recent price advance. Offers of bark for shipment continued light, while adequate stocks of extract were available at primary centers. Inquiry for replacements was fairly active, especially for the bark. Import of bark totaled 7,700 bales at Atlantic ports last week.

For Late Market Developments, See Page 4

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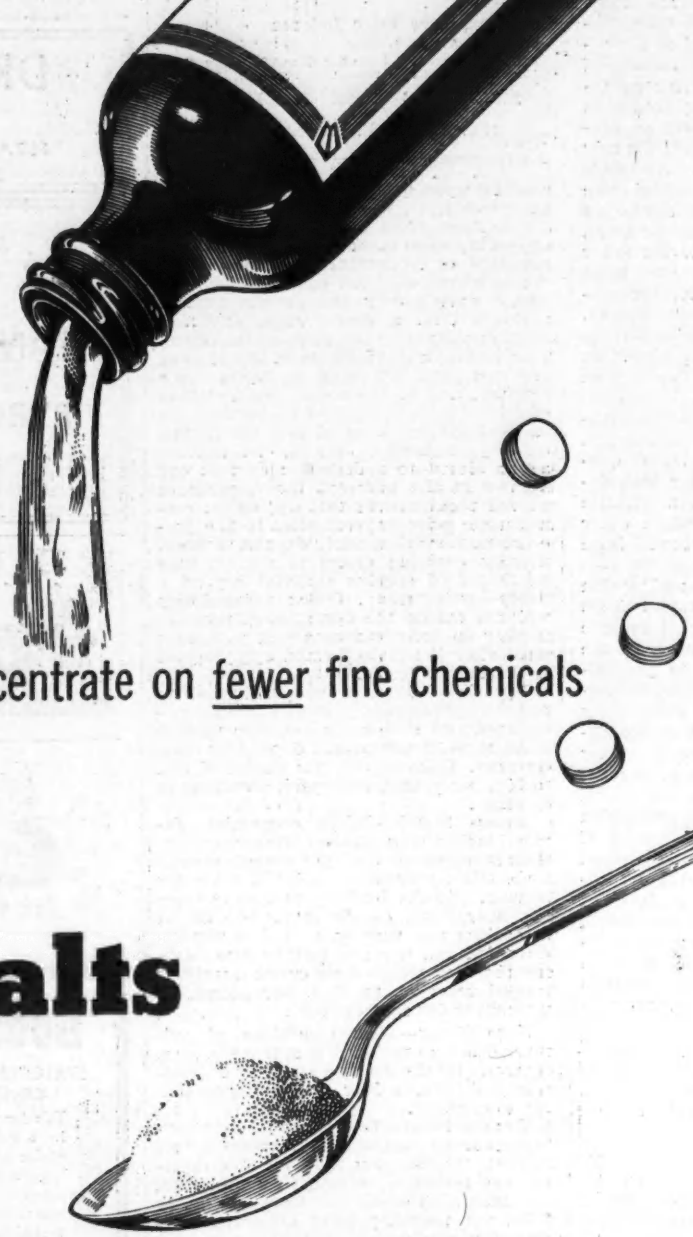

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Drugs and Fine Chemicals

Price movements in this market last week were confined to drug items, with the large volume organic chemicals holding firmly to established levels. Menthol continued in its upward spiral on which it was started a month ago, last week's advances totaling 60 cents per pound, under the stimulus of such factors as the short position of stocks and limited Brazilian offerings at increasingly higher levels. Progesterone moved up another $1 per gram. Declines were confined to a 15 cent drop in choline salts. The index advanced 1.8 points, becoming 257.6.

Agar was keenly competitive. Thioglycolic acid and its ammonium salt moved in good volume under a firm price position. Brucine and its salts joined a growing list of other materials in which foreign competition was tending to discourage domestic production. Cocoa butter remained strong. Castor beans were quoted nominally lower.

Formaldehyde and methanol moved in good volume at prices which were established over a year ago. Butyl and isobutyl alcohol were both offered at the same price level, unchanged in recent months. Undecylenic acid and its copper and zinc salts were finding an evergrowing market through increased trade acceptance. Sales of methylal and propionaldehyde were spotty, but in the aggregrate consumption was said to be on the increase.

Pentaerythritol and glycerin were in good balance with demand and moved in large volume at price schedules which have been long maintained. Crude glycerin was said to be in a sold-up position for the next month. Ethyleneglycol supplies were sufficient to fill most of the large volume consuming channels, and sales of propyleneglycol accordingly tended to lag.

Business in drugs was said to be slow, with many items seasonally off, whereas industrial organics for the most part were continuing strong with no indications of any let up in demand.

Acetaldehyde—In tankcars prices were firmly quoted at 9½c. per pound, unchanged from levels prevailing over recent months. Drum carlots were quoted at 11½c. per pound, and less than carlot drum quantities at 12c. to 12½c. Demand was reported as good with supplies regarded as adequate.

Agar—A deal of price competition existed on spot. So keen was the drive for business that some importers declared that deliveries were not in all instances true to accepted standards of Kobe No. 1 strip. Some of the goods offered were in bales from which the original, identifying marks had been removed or defaced and it was learned that some goods tendered against orders for Kobe agar were, actually, the Yokohama variety. When offered in original Kobe bales, No. 1 strip fetched $1.28 to $1.30 per pound.

Ammonium Thioglycollate — Highly purified material was still firmly quoted at $1.70 per pound on a 100 percent basis, while the commercial grade of lesser purity was offered on the same basis at $1.40 per pound. These prices were on substantial quantity purchases, and smaller lots ranged upward varying as to quantity.

Blackstrap Molasses — In tankcars the New York price ranged from 9½c. to 10c. per gallon, while at New Orleans prices stood in the range of 8½c. to 9c.

Brucine—Britain continued to supply substantial quantities of alkaloid and sulphate to the American market and quarters formerly manufacturing in this country have, in some instances, abandoned the practice in favor of purchasing the British product. The latest arrival totaled ten cases.

Calcium Glycerophosphate — Demand for this item was reported as strong in some quarters and weak in others. Supplies were ample, and the price position was unchanged from that which has been maintained in the market over a long period, in which quotations varied as to quantity from $1.80 per pound up to $1.95.

Carotene—Technical material having a potency of 1,350,000 vitamin A units per gram was quoted at 40c. per gram, f.o.b. works. Carotene of a potency of 8,800 A units per gram in vegetable oil was listed at 18c. per million units packaged in tins, and 16c. per million units packaged in drums. Microcrystalline carotene in oil having a potency of 400,000 A units per gram was listed at 24c per million units on an f.o.b. work basis.

Castor Oil—Oil prices were holding steady at former levels. Beans were nominally quoted at $120 per long ton, a downward shift in buyers ideas with virtually no trading being done at this figure.

Arrival of beans last week amounted to 22,586 bags equivalent to 3,387,900 pounds, compared with 15,658 bags or 2,348,700 pounds the previous week, and 20,338 bags or 3,505,700 pounds. during the corresponding week of 1949.

Total imports of beans since January 1 of this year amounted to 659,750 bags equivalent to 98,962,500 pounds, compared with 832,787 bags or 124,918,100 pounds during the corresponding period of last year.

Choline Salts—The price structure on choline bitartrate, chloride, and dihydrogen citrate was reduced last week by 15c. per pound. All three salts were quoted at the same price level on a freight adjusted basis. Lots of 1,000 pounds or more were quoted at $2.30 per pound, in 500 pound lots quotations stood at $2.35, lots of 100 pounds were listed at $2.45, and shipments of 25 pounds were quoted at $2.55. Supplies were reported as abundant in the face of a demand which was currently described as moderate.

Cocoa Butter—The butter market was still sensitive to what happens to the price of beans and the market was strong at 55c. to 60c. per pound last week. Sales to confectioners were active and added to the strength that basically stemmed from the relatively high prices being paid for beans in all origins.

Creosote — Beechwood material was quoted in the range of $1.15 to $1.20 per pound, while hardwood was quoted at 85c. per pound. Creosote carbonate was firm at $2.35 to $2.40 per pound. These prices were unchanged from levels which have prevailed in the market over a long period. Demand was reported as not more than moderate, with seasonal declines in demand expected for the summer months.

Dipropyleneglycol — Demand was described as moderate, with material moving from ample supply into consuming channels at 13c. per pound in tankcars, 14½c. in drum carlots, and 15½c. in less than carlot quantities.

Ethyleneglycol — Current large volume production was such that most established contract outlets were being adequately taken care of and large volume consumers were fairly well supplied. There was not, however, any extra material in substantial amount available, and spot buyers could not go out and expect to get their needs immediately supplied. Prices were unchanged from levels which have prevailed in the market over recent months.

Formaldehyde—Both the inhibited and the uninhibited material moved in heavy volume under a steady demand. Prices were unchanged from the pattern which has prevailed over the last seventeen months. Supplies were quite ample by virtue of the greatly expanded production facilities in operation over the past several months.

Glycerol Alphamonohydrin—This material was reportedly in a growing end-use demand. Prices were firmly quoted at $1.40 per pound in 13 gallon carboys, on an f.o.b. works basis.

Guiacol — Liquid N. F. material was firm at $1.90 to $1.95 per pound, while the carbonate held steady at $2.95 to $3.00 per pound. Supplies were reported as adequate, with demand fair.

Isobutyl Alcohol—Demand for isobutanol was reported as good. Price quotations were comparable with the schedules on normal butanol in which freight allowed prices were quoted at 12c. per pound in tankcars, 13½c. in drum carlots, and 14½c. in less than carlot drum quantities. Supplies were reported as adequate.

Lecithin—Soya lecithin of the edible grade was priced at 13c. per pound in carlot quantities and 16c. in less than car-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Menthol, 60c. per lb.
Progesterone, $1 per gram.

Prices Reduced

Choline bitartrate, 15c. per lb.
chloride, 15c. per lb.
dihydrogen citrate, 15c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 27, 1949
257.6	255.8	253.2	254.4	261.1

(For Current Prices see Page 9)

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lot shipments. Supplies were regarded as adequate and demand was said to be well sustained.

Menthol—Prices rose higher and higher last week when demand put a sharp pinch on available suplies. Notwithstanding the fact that, normally, the present is not the season for substantial activity, the development of even moderate requirements of a prompt delivery sort revealed the relatively short position on spot stocks. And so long as demand continuing to press even in its current volume, price advances may be expected to continue. Spot quotations reached $12 to $12.10 per pound and the strength prevailing in Brazil was evident when cables named $12.20 per pound, c.i.f. New York. Some recent cables from China stood at $11 and $11.25 per pound, in bond.

A break down in the import total for 1949 in terms of origin affords a view of the relative importance of foreign countries in supplying the requirements of the United States.

	Pounds
Argentina	683
Brazil	263,854
China	107,613
Hong Kong	120
Japan	3,240
Venezuela	1,631
Total	377,141

Methanol—The output of natural methanol in March amounted to 197,000 gallons, compared with 145,000 gallons in February, and 187,000 gallons in March of last year. Demand was steady and prices unchanged.

Synthetic methanol was abundantly available, with demand holding up well and better than had been expected, due in part to the sustained strong demand for formaldehyde. Prices maintained their steady position of recent months, in which Eastern price schedules stood at 26c. per gallon in tankcars, 38c. in drum carlots, and 41c. in less than carlot drum quantities. In the West prices stood at 29½c. to 31c. per gallon in tankcars, 43½c. to 45c. in drum carlots, and 47½c. in less than carlot quantities. These prices were on a freight allowed basis, with Western less carlot prices ex warehouse.

Methylal—Demand was spotty with ample quantities available. Prices were firmly held at 9 cents per pound f.o.b. works in tankcars, 11 cents in drum carlots, and 12 cents in less than carlot drum quantities.

Milk Powder—Government purchases of skimmed milk powder for the week ended May 18 amounted to 8,810,083 pounds of spray process material and 3,900,305 pounds of roller material at parity prices. This brought purchases by the government so far this year to a total of 166,312,293 pounds of skimmed milk powder, compared with 145,260,600 pounds during the corresponding period of last year.

Paraformaldehyde—Flake and powdered material continued in strong demand, with some producers moving all that they could produce, promptly into consuming channels. Prices were unchanged from levels which have been maintained over recent months, in which carlot quantities of the 94 to 95 percent grade were quoted at 13 cents per pound f.o.b. works, or 15½ cents per pound delivered in the New York area. The 91 to 92 percent grade on a works basis in the same quantity bracket was quoted at 11 cents per pound, and 13½ cents per pound delivered in the New York metropolitan area. Quotations on smaller lots ranged upward varying as

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to quantity, to 19½ cents per pound for 1,000 pounds on a delivered basis for the powdered material and 17½ cents per pound delivered on the flake material.

Pentaerythritol—Demand for the mixed isomers continued strong and material moved promptly into consuming channels in heavy volume. Prices were firm and unchanged from the 29 cents per pound quoted on carlots over an extended period. Less than carlot quantities were quoted at 31 to 33 cents per pound.

Demand for the di and tri isomers was very much lower because of the nature of the products and their higher cost of separation and manufacture. Dipentaerythritol moved in less than carlot bag quantities at 34 cents per pound, and tripentaerythritol in the same quantities at 36 cents.

Progesterone—Crystalline USP material advanced another $1 per gram last week on an f.o.b. plant basis, the new price quotation being $4.50 per gram.

Prognenolone—This steroid and its acetate were both quoted at $4 per gram, and were available in limited quantities.

Propionaldehyde—Since the initiation of large volume production availability of this item, there has been an overall increase in consumption which developed gradually under spotty demand. Prices were firm and unchanged from the levels prevailing over recent months in which tankcars were quoted at 25c. per pound, drum carlots at 28½c., and less than carlot drum quantities at 29½c.

Propyl Alcohol—Normal propyl alcohol moved steadily on a delivered basis at 8c. per pound in tankcars, 9½c. in drum carlots, and 10c. in less than carlot drum quantities. Price schedules on an f.o.b. works basis were uniformly 1½c. per pound under the delivered schedule.

Silver Nitrate—Production in March amounted to $4,114,000 ounces, compared with a February output of 3,889,000 ounces, and the production of 3,921,000 ounces in March of last year.

Thioglycollic Acid—Refined acid in carboys on a 100 percent basis was quoted at $1.60 per pound, while technical grades of lesser purity were available, quoted on a 100 percent basis at $1.40 per pound.

Undecylenates—Zinc undecylenate was quoted in bulk quantities of 100 pounds or more at $1.90 to $2 per pound. Copper undecylenate in 100-pound quantities was quoted at $2.50 to $2.75 per pound, and the acid ranged in price from $1 to $1.25 per pound in drum quantities. Supplies were reported as adequate, with demand maintaining a high level.

Amer. Cyanamid Opens Stamford Labs to Public

The Stamford (Conn.) Research Laboratories of American Cyanamid Company were opened to the public May 19 for the first time since their establishment in 1936. The open house was arranged to give friends and associates of the company an insight into the role of scientific research in the development of modern industry and agriculture and to show the extent and diversity of Cyanamid's research facilities.

The laboratories, established on the site of a textile mill fourteen years ago, originally occupied 225,000 square feet of floor space. Today, the original area has been expanded to more than 410,000 square feet. During its operations the laboratories have played an important part in the development of sulfadiazine, melamine plastics, wet-strength resins for paper, parathion insecticides, chemicals for synthetic fibers, and numerous other products.

Visitors were conducted on a two-mile tour of the unit, highlights of which included stops at the pilot plant, the molding shop, the mineral dressing's division, the chemotherapy division and the library. There were numerous demonstrations and exhibits to show various phases of the operations of the laboratories and their relation to those of the company proper.

The Stamford laboratories consist of a five-story building and a number of smaller buildings and employ more than 800 laboratory personnel, more than half of whom are technical graduates. With the major exceptions of the research and development laboratories of the Calco Chemical Division, Bound Brook, N. J., and the Lederle Laboratories Division, Pearl River, N. Y., virtually all of Cyanamid's research is conducted at Stamford.

Lederle Gets '49 Safety Award

Lederle Laboratories Division, American Cyanamid Company, Pearl River, N. Y., has received the 1949 Frank E. Redmond Grand Award for safety from the Associated Industries of New York State. The company was given the award for having won the 1949 accident prevention campaign sponsored by the association.

Abbott Appoints Moyer; Reassigns Sales Staff

Abbott Laboratories, North Chicago, Ill., has appointed Charles Moyer, manager of the Philadelphia sales area for the concern, to the position of manager of the firm's new Philadelphia branch, which will open next month. C. F. Fenger, who has been in Abbott's Chicago branch, will be office manager of the Philadelphia branch.

Harry Kohl, manager of a Nebraska sales district, has been transferred to the managership of a district covering portions of Illinois and Iowa, succeeding the late J. K. Pruitt. His headquarters will be in Moline, Ill. Earl Klauson has been named to succeed Mr. Kohl in the Nebraska area, covering portions of Nebraska, South Dakota, Minnesota and Iowa.

Richmond Chemical Corp. Moves

Richmond Chemical Corporation has moved to larger quarters at 1741 Richmond terrace, Staten Island, N. Y. The firm, which manufactures procaine hydrochloride, USP, procaine base and other pharmaceuticals, states that it is now in a position to handle larger capacities and will soon introduce several new products.

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Eastman Kodak Offers Organics in Bulk Lots

In the recently issued new edition of its price list of organic chemicals, the Eastman Kodak Company, Rochester, N. Y., says that the service of supply which it has performed for the laboratory chemist since 1919 is now available to industry at the production level. Products of the company's organic chemicals department, as well as its Distillation Products division, are included in the new service. Discussion of technical requirements, delivery schedules, and bulk prices is invited.

The new Eastman price list (No. 37) comprises more than 3,200 organic compounds. Most of the materials are listed alphaphetically, and there are ten special lists:—(1) Alkaloids, (2) amino acids, (3) carcinogenic hydrocarbons, (4) hydrogen ion indicators, (5) liquids for refractive index determinations, (6) special reagents, (7) special "spot test" reagents, (8) stable isotopes, (9) sugars, (10) vitamins and related products.

Copies of list No. 37 are available from the company at request.

Squibb Price Maintenance Upheld in New Jersey

Permanent injunctions against price cutting on all products of E. R. Squibb & Sons, New York, have been granted by the Superior Court of New Jersey, chancery division, in Union County. The injunctions were granted under the fair trade act of that state as a result of actions against Benjamin Burstein and Charline's Cut Rate, Inc., based upon price cutting activities on a number of Squibb vitamin products. Each defendant voluntarily consented to the entry of the permanent injunction following the court's action in immediately granting a temporary injunction.

Mallinckrodt Appoints Claspill

Mallinckrodt Chemical Works, St. Louis, Mo., has named James J. Claspill sales representative in the Kansas City area. Mr. Claspill, who succeeds E. W. Michaels in his present post, previously represented Mallinckrodt in the St. Louis and Chicago territories, having been with the company since 1946.

Monsanto Issues Adhesives Data

Monsanto Chemical Company, St. Louis, Mo., has published a technical bulletin containing a review of German and American development and present practice of isocyanate-based adhesives. The fourteen-page bulletin offers an explanation of the mechanism of the adhesion attributable to the diisocyanates and contains as well chemical and physical properties of two diisocyanates available. Formulations for bonding various combinations of materials and examples of current practice are also detailed. Copies are available upon request to the company.

Rieke Signs License Agreement

Rieke Metal Products Corporation, Auburn, Ind., has concluded a license agreement providing for the manufacture of the firm's line of closures by ViseGrip Products, Ltd., Liverpool, England. This will include "ViseGrip" closures for steel drums; "Flexspout," the plastic closure for five-gallon pails; "PolySeal" gaskets, and "ViseGrip" cap seals. Glenn Rieke, president of the parent company and a director of the English concern, has gone abroad to supervise the initial production.

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Miscellaneous—Suggested for experimental use as a selective solvent.

Pelargonic Acid

Beverage—Suggested for use in making synthetic flavors.

Chemical—Suggested for use in making plasticizers and various other derivatives.

Food—Suggested for use in making synthetic flavors.

Miscellaneous—Plasticizer (Germ. 745-468) in coating compositions, containing vinyl resins or polystyrene, used for protecting and decorating articles of various sorts.

Paint, Varnish, and Lacquer—Plasticizer (Germ. 745468) in paints, varnishes, lacquers, enamels, and dopes containing vinyl resins or polystyrene.

Paper—Plasticizer (Germ. 745468) in compositions, containing vinyl resins, or polystyrene, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp.

Perfume—Suggested for use in making synthetic aromatics.

Pharmaceutical—Suggested for use in synthesizing pharmaceutical chemicals.

Plastics—Plasticizer (Germ. 745468) in making laminated-fiber and molded articles, also plastic materials from or containing vinyl resins or polystyrene.

Resin—Plasticizer (Germ. 745468) for vinyl resins and polystyrene.

Rubber—Plasticizer (Germ. 745468) in compositions, containing vinyl resins or polystyrene, used as coatings for protecting and decorating rubber goods.

Stone—Plasticizer (Germ. 745468) in compositions, containing vinyl resins or polystyrene, used as coatings for decorating and protecting artificial and natural stone.

Textile—Plasticizer (Germ. 745468) in compositions, containing vinyl resins or polystyrene, used in the manufacture of coated fabrics.

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47 dms, Rohner Gehrig, Havre
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2,910 bgs, S W Hampton, Antofagasta
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50 cs, Charles Gillan & Co, Antwerp
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BABASSU KERNELS—1,686 bgs, General Foods, Sao Luiz Do Maranhoe
BEEF GLANDS—10 cs, Parke Davis, Buenos Aires
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BENZOIN GUM—18 cs, Tragacanth Importing, Singapore
BERBERIS ROOT—63 bls, S B Penick, Rijeka
BERGAMOT OIL—33 half cs, Messina
BERYL ORE—600 bgs, Associated Metal & Minerals, Casablanca
24,062 lbs, Watson Geach, Cape Town
52 dms, J W Hampton Jr, Yokohama
630 bgs, Beira
1,000 bgs, Beryllium Corp, Rio de Janeiro
BILE CONCENTRATE—9 cks, East Asiatic, Santos
4 bbls, Intercontinental Industries, Valparaiso
BISMUTH—67 cs, Cerro De Pasco, Callao
94 cs, Philipp Bros, Rijeka
BONE MEAL—2,205 bgs, Transatlantic Animal By-Products, Rotterdam
2,200 bgs, Maurice Pincoffs, Alexandria
1,103 bgs, Wessel, Duval, Antwerp
BRUCINE—17 cs, European Chemical, London
BUCKTHORN BARK—328 bls, Superintendence Co, Rijeka
BUTTONLAC—50 bgs, Ralli Bros, Calcutta
BUTYL ACETATE—1 cs, F R Squibb & Sons, Rotterdam
CADMIUM—87 cs, J W Hampton, Jr, Yokohama
60 cs, J W Hampton, Jr, Kobe
CALCIUM CARBONATE—100 bgs, C B Chrystal, London
CYANAMIDE—2 cs, Venice
CANDELILLA WAX—266 bgs, Tampico
CARAWAYSEED—140 bgs, Kanve Trading, Rotterdam
CARDAMOMS—12 cs, V Berg & Sons, London
CARNAUBA WAX—89 bgs, Wessel, Duval, Areia
222 bgs, Pan American Trading, Areia
133 bgs, Stein, Hall, Areia
312 bgs, Wessel, Duval, Fortaleza
54 bgs, Strohmeyer & Arpe, Fortaleza
109 bgs, Smith & Nichols, Fortaleza
110 bgs, Innis, Speiden, Fortaleza
171 bgs, Stein, Hall, Fortaleza
250 bgs, Cornelius Products, Parnaiba
130 bgs, 1st National of Boston, Parnaiba
625 bgs, Chase National Bank, Parnaiba
750 bgs, W R Grace, Parnaiba
1,689 bgs, National City Bank, Parnaiba
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3,800 bgs, Borden Co, Buenos Aires
1,000 bgs, American Cyanamid, Buenos Aires
500 bgs, Crawford Co, Buenos Aires
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390 bgs, Spencer Kellogg, Jacmel
670 bgs, Spencer Kellogg, Port Au Prince
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1,370 bgs, Tunley & Co, Maceio
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CINNAMON QUILLS—150 bls, Isbrandtsen & Co, Colombo
35 bls, Charles T Wilson, Colombo
CITRONELLA OIL—11 dms, Chase National Bank, Djakarta
CLAY, PENCIL—675 bgs, Eagle Pencil Co, Bremen
CLOVE OIL—13 cks, Norda Essential Oils, Marseilles
COALTAR CHEMICALS—20 dms, C A Haynes, Amsterdam
COCOA BUTTER—3,334 bls, General Cocoa, Bahia
634 bls, Metallo Chemical, Bahia
COCOA CAKE—138 bgs, Woodward & Dickerson, Kingston
COCONUT OIL—1,052 tons, Zimmerman Alderson, Carr, Cebu
CODLIVER OIL—150 dms, American Shipping Co, Reykjavik
100 dms, Thompson Hayward Chemicals, Reykjavik
COPAL GUM—700 bgs, U S Industrial Chemicals, Matadi
200 bgs, Gillespie-Rogers-Pyatt, Matadi
215 bgs, O G Innes, Matadi
215 bgs, Internatio Rotterdam, Matadi
847 bgs, Internatio Rotterdam, Lobito
CORIANDER OIL—34 cs, George Uhe, Libau
7 cs, Givaudan-Delawana, Libau
9 cs, Delge Aromatic, Libau
2 cs, Tombarel Products, Libau
CORUNDUM ORE—129 tons, Charles Tennant & Sons, Lourenco Marques
711 bgs, Charles Tennant Sons, Beira
COTTON LINTERS—2,427 bls, Fiber Service Inc, Libau
CREAM OF TARTAR—110 bbls, Manufacturers Trust, Genoa
200 bgs, Nylos Trading, Genoa
CRESYLIC ACID—362 dms, Lehn & Fink, Manchester
56 dms, Monsante Chemical, Liverpool
CUBE ROOT—351 bgs, Callao
CUMINSEED—550 bgs, Klosrouse Lahisis, Karachi
DAMMAR GUM—114 cs, S Winterbourne, Singapore
DIATOMITE—1 cs, Allied Raw Materials, Natal
DIVI DIVI—1,141 bgs, M E Schoen, Ciudad Trujillo
DOGWOOD BARK—55 bgs, Peck & Velsor, Kingston
DRAGONS BLOOD—2 cs, E Miltenberg, Singapore
DRUGS, CRUDE—60 bls, Superintendence Co, Rijeka
54 cs, S B Penick, Hamburg
DYESTUFF—102 cyls, Sandoz Chemical Works, Havre
1 bbl, Sandoz Chemical Works, Havre
23 cks, Sandoz Chemical, Genoa
52 dms, Sandoz Chemical Works, Havre
8 dms, Ciba Co, Rotterdam
1 cs, Ciba Co, Rotterdam
13 dms, Wilson Export & Import, Rotterdam
EARTH COLORS—77 bbls, J Lee Smith, Hamburg
40 bbls, Reichard Coulston, Hamburg
ESSENTIAL OIL — 1 cs, Tombarel Products, Cannes
9 cs, Camilli Albert, Cannes
5 cs, P Robertet, Cannes
1 ck, P Robertet, Cannes
23 cks, Lo Curto & Funk, Cannes
3 cs, Lo Curto & Funk, Cannes
1 cs, Roure-Dupont, Marseilles
3 dms, Roure Dupont, Marseilles
3 dms, van Ameringen-Haebler, Marseilles
1 ck, van Ameringen-Haebler, Marseilles
3 dms, Naugatuck Aromatics, Marseilles
4 dms, George Uhe, Marseilles
324 qtr cs, Chase National Bank, Messina
4 dms, Vera Cruz
16 cs, Zanadu Manufacturing Co, Havre
EUCALYPTUS OIL—12 dms, Melbourne
3 ums, Lo Curto & Funk, Santos
SEED—1 cs, Herbst Bros, Cadiz
FENNELSEED—259 bgs, Lep Transport, Hamburg
FERRO ALLOY—20 dms, J W Hampton, London
TUNGSTEN—300 dms, Wah Chang Trading, Yokohama
100 dms, Metallurg Inc, Kobe
FERTILIZER—84 bls, Chase National Bank, Melbourne
400 bgs, Doggett Pfeil, Southampton
400 bgs, Doggett Pfeil, Liverpool
FISHMEAL—2,220 bgs, Wessel-Duval, Bergen
FLEASEED—395 bgs, S B Penick, Bombay
148 bgs, R J Prentiss, Bombay
172 bgs, T M Duche & Sons, Bombay
FUEL OIL—302,000 bbls, Esso Standard Oil, Aruba
290,716 bbls, Paragon Oil Co, Curacao
60,913 bbls, Shell Caribbean Oil, Trinidad
171,587 bbls, Hess Inc, Curacao
1,655 bbls, Shell Oil, Curacao
105,491 bbls, Hess Inc, Trinidad
82,665 bbls, Metropolitan Petroleum, Curacao
60,281 bbls, Jagels Fuel Co, Curacao
FULLER'S EARTH—400 bgs, L A Salomon, London
GALLIC ACID—10 dms, Chemo Puro, London
GARNETLAC—100 bgs, William Zinsser, Calcutta
GELATIN—200 bgs, Transatlantic Animal By-Products, Bremen
GHATTI GUM—37 bgs, Innis Speiden, Bombay
57 bgs, Intra Mar Shipping, Bombay
GLUE, BONE—200 bgs, C B Hewitt, Durban
500 bgs, Transatlantic Animal By-Products, Rotterdam
GLUESTOCK—1,036 bgs, National City Bank, Calhe
172 rolls, J Gorvers, Barranquilla
234 bls, J Gorvers, Puerto Plata
1 bl, English, Scottish & Australian Bank, Melbourne
GLYCERIN—206 bbls, C J Schellings, Gdynia
40 dms, C J Schellings, Copenhagen
GRAPHITE—500 bgs, Asbury Graphite Mills, London
1 bg, Eberhard Faber, Hamburg
22 bgs, Kent Metal & Chemical Works, Liverpool
GYPSUM, CRUDE—10,290 tons, U S Gypsum Co, Hantsport
2,430 tons, Newark Plaster Co, Walton
INSECTICIDE—5 dms, Dow Chemical, London
IODINE—100 kgs, International Fertiliser & Chemical Corp, Yokohama
IRISHMOSS—127 bgs, T M Duche & Sons, Havre
50 bls, Peck & Velsor, Havre
50 bls, R J Prentiss, Havre
IRON OXIDE, RED—10 cks, J H Rhoades, Liverpool
JABORANDI LEAVES—77 bls, National City Bank, Parnaiba
KARAYA GUM—26 bgs, Innis Speiden, Bombay
307 bgs, Jacques Wolf, Bombay
154 bgs, Block Drug, Bombay
154 bgs, Stein Hall, Bombay
200 bgs, Meer Corp, Genoa
LEMON OIL—50 qu cs, Bank of Manhattan, Messina
LEMONGRASS OIL—5 dms, W M Brewer, Cochin
LOCUST BEANS—46 cs, Lisbon
150 bgs, T M Duche & Sons, Genoa
100 bgs, Innis Speiden, Genoa
200 bgs, Stein Hall, Genoa
100 bgs, American Key Products, Genoa
1,200 bgs, Genoa
300 bgs, Rotterdam
300 bgs, P A Dunkel, Rotterdam
100 bgs, T M Duche, Rotterdam
200 bgs, Innis Speiden, Rotterdam
256 bgs, Bank of New York, Lisbon
LOGWOOD EXTRACT—80 cks, American Dyewood, Kingston
MALEFERN EXTRACT—1 cs, S B Penick, Genoa
ROOT—100 bls, S B Penick, Rijeka
MANGANESE, METALLIC—498 cs, J W Hampton Jr, Yokohama
ORE—5,500 tons, E J Lavino, Takoradi
MANGROVE EXTRACT—1,100 bgs, Saxe Catch, Singapore
MARJORAM LEAVES—400 bgs, Arica
MEDICINAL LEAVES—70 bls, S B Penick, Leghorn
20 bls, J W Lyon, Naples
17 bls, Kellys American, Hamburg
5 bls, Callao
15 bls, S B Penick, Genoa
ROOT—100 bls, National City Bank, Antwerp
3 cs, S B Penick, Leghorn
MENTHOL—50 cs, Volkart Bros, Rio de Janeiro
MICA—7 cs, Siegfried Cussel, Buenos Aires
15 cs, Otto Gerdau, Rio de Janeiro
84 cs, Ford Radio & Mica, Rio de Janeiro
28 cs, Sigbert Loeb, Rio de Janeiro
35 cs, Eugene Munsell, Rio de Janeiro
45 cs, United Mineral & Chemical, Rio de Janeiro
123 cs, Sylvania Electric, Rio de Janeiro
92 cs, Cornelis & Suhr, London
70 cs, J F Garneau, London
34 cs, London
22 cs, Sigbert Loeb, London
77 cs, Hal Delphin, London
20 cs, Minerals & Insulation, London
35 cs, S Loeb, Calcutta
29 cs, Manchard Trading, Calcutta
99 cs, Eugene Munsell, Calcutta
100 cs, William Brand, Calcutta
5 cs, Schwab Bros, Calcutta
106 cs, United Mineral & Chemical, Calcutta
4 cs, Whittaker Clark & Daniels, Calcutta
561 cs, Asheville Schoonmaker, Calcutta
19 cs, Hal Delphin, Calcutta
545 cs, Cornelis & Suhr, Calcutta
227 cs, United Mineral & Chemical, Calcutta
110 cs, James F, Garneau, Calcutta
76 cs, Stein Hall, Calcutta
117 cs, Eugene Munsell, Calcutta
SCRAP—1,306 bgs, Anthony Gibbs, Beira
657 bgs, H S Williams, Beira
MILK SUGAR—20 cs, E R Squibb & Sons, Rotterdam
MOLLESEED—112 bgs, M Calvet, Puna
MULLEIN LEAVES—33 bls, R J Prentiss, Algiers
MUSTARD SEED—600 bgs, R F Downing, London
1,400 bgs, Amaren Trading, London
132 bgs, W R Grace, Coquimbo
700 bgs, Catania
MYROBALANS—2,240 bgs, Getz Import, Calcutta
375 bgs, River Plate Import & Export, Bombay
MYRRH GUM—36 bgs, R D Heins, Aden
NAPHTHALENE—3,089 bgs, American Cyanamid, Rotterdam
900 bgs, Crowley Tar Products, Rotterdam
665 bgs, American Cyanamid, London
10 bgs, European Chemical Co, Manchester
1,575 bgs, Antwerp
2,500 bgs, Rotterdam
NIGERSEED—130 bgs, Hartz Mountain, Vizagapatan
266 bgs, Wagner Bros, Vizagapatan
NUTMEGS—70 bgs, Irving Trust Co, Singapore
OENACYANIDE—11 pkg, Genoa
OITICICA OIL—261 dms, Pacific Vegetable Oil, Areia
OLIBANUM GUM—134 bgs, Meer Corp, Aden
67 bgs, Tragacanth Import, Bombay
OLIVE OIL—25 dms, Irving Trust, Seville
250 dms, National City Bank, Seville
40 dms, Manufacturers Trust, Seville
50 dms, Public National Bank, Seville
25 dms, Hellenic Bank, Seville
190 dms, Chemical Bank, Seville
25 dms, Pan American Trust Co, Seville
25 dms, Chase National, Seville
50 dms, Seville
50 dms, F & M importing, Malaga
25 dms, Lady Choice Foods, Malaga
14 dms, Stamoulis Bros, Piraeus
1,142 dms, J Henry Schroder, Malaga
100 dms, National City Bank, Malaga
200 dms, Central Hanover Bank & Trust, Malaga
1,161 dms, Central Hanover Bank, Hamburg
FOOTS—514 dms, Smith Weihman, Lisbon
ORANGE OIL—10 cs, Solta Import-Export, Kingston
PEEL—119 bgs, Peek & Velsor, Caracol
OURICURY WAX—112 bgs, Wessel Duval, Bahia
OX GALL CONCENTRATE—16 cs, Judson Sheldan, London
6 tcs, Armour & Co, Montevideo
PALM OIL—840 tons, Standard Bank of South Africa, Port Harcourt
2,603 dms, Matadi
600 dms, Welch Holme & Clark, Luanda
100 dms, Tunley & Co, Luanda
50 dms, T G Cooper, Luanda
PAPAIN—23 cs, R D Castillo, Colombo
PAPRIKA—100 bgs, J Raphael & Sons, Hamburg
100 bgs, J D Tash, Rotterdam
375 bgs, Biddle Sawyer, Rijeka
PEATMOSS—280 bls, C Gastmeyer, Rotterdam
200 bls, Faesy & Besthoff, Rotterdam
1,500 bls, Atkins & Durbrow, Bremen
664 bls, Penson & Co, Bremen
675 bls, Conrad Fafard, Bremen
1,125 bls, Premier Peatmoss, Bremen
2,100 bls, New Amsterdam Import, Bremen
1,500 bls, Alkins Durbrow, Bremen
380 bls, Carl Gastmeyer, Rotterdam
400 bls, Rotterdam
PEPPER, BLACK—50 bgs, Mincing Trading, Cochin
80 bgs, Joensson & Cross, Cochin
80 bgs, J Berlage, Cochin
80 bgs, Otto Gerdau, Bombay
80 bgs, Joensson & Cross, Bombay
80 bgs, LoCurto & Funk, Bombay
80 bgs, Irving Trust Co, Bombay
80 bgs, K A Export Corp, Bombay
70 bgs, Berwich Co, Gothenburg
240 bgs, Mincing Trading, Bombay
160 bgs, Otto Gerdau, Cochin
160 bgs, R T French, Beyrouth
80 bgs, Cochin
80 bgs, Superintendence Co, Bombay
WHITE—140 bgs, Genoa
70 bgs, Catz American, Rotterdam
PERCHLOROETHYLENE—17 dms, Chemical Manufacturing Co, Liverpool
PETITGRAIN OIL—87 dms, Bunge Corp, Buenos Aires
PETROLEUM, CRUDE—125,700 bbls, California Refining, Puerto La Cruz
125,244 bbls, Socony Vacuum, Puerto La Cruz
111,161 bbls, Cities Service Oil, Amuay
110,103 bbls, Esso Standard Oil, Cartagena
PHARMACEUTICALS—1 cs, Rotterdam
PHTHALIC ANHYDRIDE—667 bgs, Reichhold Chemicals, Rotterdam
PIMENTO—100 bgs, Kelly America, Rotterdam
LEAF OIL—1 dm, George Lueders, Kingston
PLATINUM—3 cs, Colamer Co, Buenaventura
POLLOCKLIVER OIL—182 dms, Consumers Import Co, Yokohama
50 dms, Chemical Bank & Trust, Yokohama
POLYHYDROXY COMPOUND—1 kg, M J Corbett, Rotterdam
POLYVINYL HAROL—96 cs, Amer Lucoflex, Havre
POPPYSEED—760 bgs, Berwick, Hamburg
POTASH SALTS—31 kgs, Manchester
POTASSIUM CARBONATE—260 bbls, Oil & Chemical Products, Hamburg
CHLORATE—50 dms, C Hardy, Havre
CYANIDE—20 dms, Aceto Chemical, Liverpool
METABISULPHITE—60 kgs, Hunt Chemical Works, London
PERCHLORATE—250 dms, C Hardy, Havre
PERMANGANATE—52 dms, Armida Products, Hamburg
20 dms, Max Van Pels, Hamburg
PYRIDIN—15 dms, American Tebu Corp, Rotterdam
QUEBRACHO EXTRACT—750 bgs, International Products, Buenos Aires
520 bgs, Tanimex Corp, Buenos Aires
1,525 bgs, International Products Corp, Buenos Aires
7,486 bgs, River Plate Import & Export, Buenos Aires
QUICKSILVER—90 flasks, Chase National Bank, Tampico
25 flasks, Chase National Bank, Vera Cruz
800 flasks, Leghorn Trading, Leghorn
QUINIDINE SULPHATE—1 cs, Judson Sheldon, Hamburg
QUININE—11 cs, Sterone, Antwerp
SULPHATE—2 cs, Schoenewaldt Turner Corp, Hamburg
11 cs, C L Huisking, Hamburg
RESIN—10 cs, L A Dreyfus, Singapore
SCRAP—16 bgs, F L Kraemer, Rotterdam
RHUBARB ROOT—45 bgs, Max Van Pels, Bombay
18 bgs, S B Penick, Bombay
SABADILLA SEED—58 bgs, Wessel Duval, La Guayra
SAFFRON—34 bgs, Vera Cruz
SAGE LEAVES—1,000 bls, Bank of New York, Rijeka
OIL—11 bbls, Superintendence Co, Rijeka
SAGO FLOUR—1,120 bgs, Stein, Hall, Singapore
543 bgs, Sinex Corp, Singapore
1,120 bgs, Stein, Hall, Singapore
273 bgs, W R Grace, Singapore
SEEDLAC—400 bgs, William Zinsser, Calcutta
400 bgs, C H Timm, Calcutta
100 bgs, Ralli Bros, Calcutta
400 bgs, Mantrose Corp, Calcutta
SENNA LEAVES—120 bls, R D Heins, Port Sudan
SHARKLIVER OIL—15 bbls, Collett, Week & Nibecker, Valparaiso
100 dms, Consumers Import Co, Yokohama
100 dms, Maxim Chemicals, Yokohama
68 dms, Bankers Trust Co, Bergen
SHEEP GALL—5 cks, English, Scottish & Australian Bank, Melbourne
SHELLAC—50 bgs, Schwab Bros, Calcutta
100 bgs, Colony Import & Export, Calcutta
200 bgs, Mantrose Corp, Calcutta
37 bgs, William Diehl, Calcutta
200 bgs, Ralli Bros, Calcutta
50 bgs, Bremen
300 bgs, Suhr & Budelman, Calcutta
200 bgs, William Zinsser, Calcutta
8 bgs, Reuben Import & Export, Genoa
SILLIMANITE CLAY—1,137 bgs, Bank of New South Wales, Adelaide
SOAP BARK—328 bls, S B Penick, San Antonio
25 bls, R J Prentiss, San Antonio
91 bls, W R Grace, Valparaiso
SODIUM CHLORATE—100 dms, Charles Hardy, Havre
1,000 cks, International Seiling Corp, Marseilles
DICHROMATE—260 dms, Hudson Shipping, Rotterdam
SOLELIVER OIL—5 dms, Consumers Import Co, Yokohama
SQUILL, RED—518 bgs, S B Penick, Algiers
STEARYL ALCOHOL—34 cs, Phoenix Oil Products, Liverpool
SYRUP INVERT—239,256 gls, American Molasses Co, Havana
TALC—15,586 bgs, C Mathieu, Genoa
750 bgs, Hammill & Gillespie, Marseilles
543 bgs, Charles Mathieu, Genoa
TAMARINDS—9 bgs, Otto Gerdau, Bombay
TANKAGE—559 bgs, International Packers Commercial, Montevideo
TANNING EXTRACT—500 bgs, 1st National Bank of Baltimore, Marseilles
TAPIOCA FLOUR—3,000 bgs, Corn Products Refining, Puerto Plata
TARTARIC ACID—400 kgs, Nylos Trading, Genoa
TEA WASTE—910 bgs, Citro Chemicals, Calcutta
TRAGACANTH GUM—84 bgs, Thurston & Braidich, London
TURMERIC—80 bgs, Dalton Cooper, Cochin
114 bgs, Reuben Import & Export, Bombay
TUNG OIL—405 tons, Bunge Corp, Buenos Aires
521 dms, Pacific Vegetable Oil, Taku Bar
UREA—180 bgs, Terra Chemicals, Rotterdam
320 bgs, Terra Chemicals, Hamburg
VANILLA BEANS—23 cs, Thyme & Winters, Marseilles
23 cs, Guaranty Trust Co, Marseilles
157 cs, George Uhe, Marseilles
24 cs, Zink & Trieste, Marseilles
23 cs, Guaranty Trust Co, Marseilles
VEGETABLE OILS—61 dms, Villar & Osorio, Antwerp
WAX—20 cs, W Diehl & Co, Yokohama
WATTLE BARK—5,500 bls, Hammond & Carpenter, Durban
WAX, SYNTHETIC—15 bls, Wax & Rosin Products, Bremen
WHITING—1,000 bgs, R L Watkins, London
443 bgs, C B Chrystal, London
WOLFRAM ORE—200 bgs, Westinghouse Electric, Melbourne
202 bgs, Fleischman Burd, Santos
WOOL GREASE—200 dms, N I Malmstrom, Manchester
100 dms, Phoenix Oil Products Corp, Bremen
100 dms, Hummel Chemical, Bremen
YACCA GUM—239 bgs, Chase National Bank, Adelaide
YEAST EXTRACT—100 cs, Gallagher & Ascher, London
YLANG-YLANG OIL—4 kgs, Fritzsche Bros, Havre

Baltimore

BONES, CRUSHED—319 tons, American Agricultural Chemicals, Buenos Aires
FLOUR—2,205 bgs, Transatlantic Animal By-Products, Rotterdam
CARAWAYSEED—300 bgs, Catz American Co, Rotterdam
CHESTNUT EXTRACT—10 bgs, Genoa
CHROME ORE—5,504 tons, Beira
CHROMITE — 1,502 tons, L J Buck, Lourenco Marques
3,000 tons, E J Lavino, Masinloc
FERRO CHROME—200 cs, A Johnson & Co, Gothenburg
MANGANESE ORE—1,000 tons, Ferro Metal & Chemical, Calcutta
1,016 tons, National City Bank, Coquimbo
2,032 tons, National City Bank, Coquimbo
MEDICINAL ROOTS—36 bgs, Bluebridge Drug Co, Antwerp
MUSTARDSEED—300 bgs, W G Scarlett, London
MYROBALANS—718 bgs, Olson Agency, Vizagapatan
NIGERSEED—269 bgs, W G Scarlett, Vizagapatan
PEATMOSS—300 bls, Premier Peatmoss, Bremen
360 bls, C Gastmeyer, Rotterdam
360 bls, C Gastmeyer, Rotterdam
QUEBRACHO EXTRACT—6,006 bgs, River Plate Import & Export, Buenos Aires
SIENNA EARTH—125 bgs, Mineral Pigments, Genoa

Boston

ALBUMEN, BLOOD—50 cks, National Shawmut Bank, Antwerp
CASEIN—1,000 bgs, P A Dunkel, Buenos Aires
500 bgs, Crawford & Co, Buenos Aires
HOOF MEAL—645 bgs, International Packers Commercial, Montevideo
HORN MEAL—324 bgs, Tupman Thurlow, Buenos Aires
407 bgs, Tupman Thurlow, Santos
MICA—148 cs, Hal Delphin, London
152 cs, Otto Gerdau, London
70 cs, Sigbert Loeb, London
700 cs, Eugene Munsell, Calcutta
PEATMOSS—375 bls, New Amsterdam Import, Rotterdam

PERCHLOROETHYLENE—17 dms, Chemical Manufacturing Co, Liverpool
POTASSIUM NITRATE—83 bbls, I M Sabin, Hamburg
QUEBRACHO EXTRACT—840 bgs, International Products, Buenos Aires
644 bgs, River Plate Import & Export, Buenos Aires
RESIN—10 bbls, Chemicals Export Co, Hamburg
TAPIOCA FLOUR—1,194 bgs, Geismar, Itajai

Camden

SODIUM NITRATE—2,185 tons, Guaranty Trust, Tocopilla

Charleston

ASBESTOS FIBER—1,520 bgs, General Asbestos & Rubber, Beira
1,320 bgs, Beira

Hampton Roads

MANGANESE ORE—3,000 tons, E J Lavino, Vizagapatan

Los Angeles

TALC—650 bgs, Charles Mathieu, Genoa

Norfolk

COCOA EXPELLER CAKE—160 bgs, Monsanto Chemicals, Takoradi
RESIDUE—650 bgs, Woodward & Dickerson, London
4,978 bgs, Woodward & Dickerson, Rotterdam
MANGANESE ORE—1,016 tons, Chase National Bank, Luanda
PEATMOSS—245 bls, W M Stone, Bremen
350 bls, New Amsterdam Import, Bremen
1,850 bls, Premier Peatmoss, Bremen
SODIUM NITRATE—1,814 tons, Guaranty Trust, Tocopilla

Philadelphia

ASBESTOS FIBER—300 bgs, Philadelphia Nat'l Bank, Lourence Marques
BRASS SCRAP—61 dms, Antwerp
102 pkgs, Davies & Turner, Rotterdam
CHEMICALS—67 dms, Industrial Sales, Antwerp
CHROME ORE—11,760,043 lbs, E J Lavino, Lourenco Marques
CLAY—672,000 lbs, Moore & Munger, Avonmouth
250 tons, United Clay Mines, Avonmouth
50 tons, T H Sant & Son, Avonmouth
1,403 bgs, Papermakers Importing, Avonmouth
982,464 lbs, Papermakers Importing, Avonmouth
GYPSUM, CRUDE—6,284 tons, U S Gypsum, Hantsport
LAUNDRY BLUE—620 etns, Carson M Simon, Antwerp
LEAD—2,963 bars, American Metal, Callao
2,232 sheets, Brown Bros, Osaka
449 pcs, Brown Bros, Osaka
3,406 plates, Brown Bros, Kobe
6,271 pcs, Brown Bros, Yokohama
LIVERMEAL—451 bgs, Armour & Co, Montevideo
MAGNESITE, CAUSTIC, CALCINED—1,942 bgs, Commercial National Bank & Trust, Rotterdam
PEATMOSS—1,200 bls, Bank of Manhattan, Gdynia
PETROLEUM, CRUDE—138,648 bbls, Atlantic Refining, Ras Tanura
115,446 bbls, Gulf Oil Corp, Mena Al Ahmadi
113,589 bbls, Gulf Oil Corp, Mena Al Ahmadi
116,461 bbls, Texas Oil, Las Piedras
115,197 bbls, Gulf Oil Corp, Mena Al Ahmadi
SODIUM NITRATE—1 pcl, Guaranty Trust, Tocopilla
VERMICULITE—448,360 lbs, Bank of Manhattan, Lourenco Marques
WATTLE BARK—2,209 bls, American Dyewood, Durban

San Francisco

CASTORBEANS—700 bgs, Contra Costa Vegetable Oil, Manta
DERBIS POWDER—301 bgs, Callao
LEAD CONCENTRATES — 284 tons, American Smelting & Refining, Callao
491 tons, Chemical Bank & Trust, Antofagasta
1,327 tons, Bank of London & South America, Antofagasta
GOLD SILVER COPPER CONCENTRATES—400 tons, American Smelting & Refining, Guayaquil
ORE—344 tons, American Smelting & Refining, Coquimbo
SILVER ORE—492 tons, W R Grace, Callao
1,044 tons, W R Grace, Pisco
LIVERMEAL—500 bgs, H V Nootbaar & Co, Wellington
OURICURY WAX—56 bgs, J W Hanson, Salvador
QUEBRACHO EXTRACT—600 bgs, International Products Corp, Buenos Aires
ROSIN—2,174 cs, Manzanillo
TAPIOCA FLOUR—600 bgs, Morningstar-Nicol, Santos
TUNG OIL—1,247 dms, Montevideo

Wilmington

FLUORSPAR—500 tons, Charles Kurz, Rotterdam

Obituaries

Dr. Frederick W. Brown

Dr. Frederick W. Brown, vice-president and technical director of D. W. Hutchinson & Co., New York, died May 21 at Palermo, Me. He was seventy years of age.

Dr. Brown was a leading research worker in the essential oil, aromatic chemical and drug industries. He was a graduate of the Columbia University College of Pharmacy. Prior to his Hutchinson connection, where he directed manufacturing and research for the company, he served for a time as a chemist for Schiefflin & Co., New York, and was for twenty-nine years chief chemist for Magnus, Mabee & Reynard, Inc., New York.

Matthew Grum

Matthew Grum, founder and president of the Reliable Leather Pigment Finish Company, Newark, N. J., died recently after a long illness. He was sixty-one years old. Before starting his own firm in 1928, Mr. Grum had been associated with Pfister & Vogel, American Hide & Leather Company, A. G. Lawrence, Hugo Brand and Frank Schaefer & Sons. Among the survivors is Matthew Grum, jr., who has worked as assistant to his father for the past fifteen years.

Robert F. Jaegle

Robert F. Jaegle, president of the Jaegle Paint & Varnish Company, Philadelphia, died May 22 in Drexel Hill, Pa. He was fifty-seven years of age.

Mr. Jaegle was vice-president of the board of trustees and chairman of the building committee of the Delaware Country Hospital, Drexel Hill. During the recent war he was a member of the paint advisory committee of the War Production Board.

Demarest Adams, executive vice-president of the Asbury Graphite Mills, Inc., Asbury, N. J., died May 20 at his home in Easton, Pa. He was forty-eight years old.

W. A. Alpers, retired executive with Pratt & Lambert, Inc., Buffalo, N. Y., died recently at his home in Rocky River, Ohio.

George Q. Bourne, formerly a member of the New York sales staff of Goodrich Rubber Company for thirty years, died May 24 in Pelham Manor, N. Y. He was sixty-six years old.

Professor Helmut Bradt, cosmic ray physicist of the University of Rochester, died May 24 in New York. He was thirty-two years of age. Dr. Bradt was a member of a team of three who were credited with getting photographic evidence of a new atomic particle, the neutral meson, in January.

Lawrence B. Craig, sr., retired executive of the Louisville, Ky., Varnish Company, died May 24 at his home in Seattle, Wash. He was sixty years old.

William J. Elder, manager of the Diamond Match Company's factory at Oswego, N. Y., died May 21 in that city.

Frank B. Killian, who retired in 1945 as chief automotive engineer in the foreign trade department of Socony-Vacuum Oil Company, New York, died May 20 in Bellport, L. I., N. Y. He was sixty-seven years old.

Robert V. Lawrence, for thirty-two years a member of the United States Weather Bureau, died May 24 at Huron, S. D. He was fifty-one years of age. Mr. Lawrence had been stationed at Huron as section director for South Dakota since June, 1949.

George Messer, a southwestern New York oil pioneer, died May 21 at Knapp Creek, N. Y. He was ninety-two years of age. Mr. Messner, who brought in a successful wildcat well in the Four Mile area near Knapp Creek, was credited by many with the widespread drilling that later resulted in Cattaraugus County.

Willard W. Smith, former chairman of the lubricating oil committee of the Socony-Vacuum Oil Company, New York, died May 17 at his home in Plandome, L. I., N. Y. He was seventy-three years old.

August J. Walck, of the E. I. du Pont de Nemours & Co. plant at Linden, N. J., died May 22 in Roselle, N. J. He was fifty-four years old.

McK.&R. Promotes Weber

John J. Weber, formerly district drug sales manager of the midwest region, has been promoted to drug sales manager of McKesson & Robbins, Inc., according to an announcement by Herman C. Nolen, vice-president in charge of drug merchandising. Mr. Weber will be Mr. Nolen's chief executive assistant in all matters relating to sales of drugs and sundries. He will make his headquarters in New York.

Shell Chemical Publishes Second Edition of 'Methyl Ethyl Ketone'

Shell Chemical Corporation, New York, has published the second edition of "Methyl Ethyl Ketone," a source book on the solvent containing a discussion of commercial applications with particular emphasis on surface coatings. A review of chemical reactions and physical properties is presented in the 130-page volume along with detailed analytical procedures and a bibliography of more than 500 references. Copies are available on letterhead request to the company at 500 Fifth avenue, New York 18, or at 100 Bush street, San Francisco 6.

Jordan Joins Bristol Labs

William C. Jordan has joined Bristol Laboratories, Inc., Syracuse, N. Y., as assistant to the advertising and sales promotion manager. Mr. Jordan was previously advertising production manager of *Sales Management* magazine. Prior to that he was with Henry Quednau, Inc., Tampa, Fla.

Int'l Microchemistry Cong. July 2

The First International Congress of Microchemistry will be held July 2 to 6 in Graz, Austria. The meeting is being sponsored by Austrian Society of Microchemistry.

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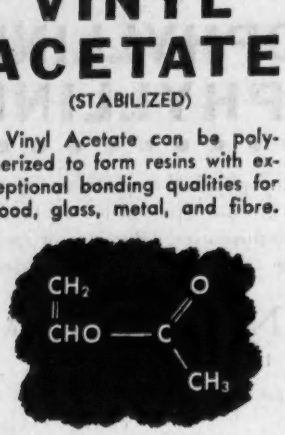

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Stange Appoints Liddell Wisc.-Minn. Sales Agent

William J. Stange Company, Chicago, has appointed George Liddell sales representative for the company in the Wisconsin-Minnesota area, succeeding William Kimball who has been transferred to the New England teerritory. S. L. Hutchison, former New England representative, at the same time, has been returned to the Chicago office to handle specially assigned accounts in that area.

Mr. Liddell was formerly manager of the midwestern division of Polak & Schwarz, Inc., New York. Prior to that, he held the post of assistant manager with Magnus, Mabee & Reynard, Inc., New York.

Ditertiarybutyl Peroxide Price Cut by Shell Chemical

The price of ditertiarybutyl peroxide has been reduced from $3 to $2 a pound, it has been announced by Shell Chemical Corporation. According to the announcement, the reduction has been made possible by increased efficiency of production and expanding demand for the product.

Jones Gets PSA 1950 Medal

Dr. Loyd A. Jones, head of the physics department of Eastman Kodak Company's research laboratories, Rochester, N. Y., has been awarded the 1950 medal of the Photographic Society of America. The medal, which will be presented at the society's annual convention in October, has been awarded Dr. Jones in recognition of his contributions in the fields of sensitometry, photography, photometry, colorimetry, motion picture engineering, design of interpreting apparatus, ASA speed rating and leadership.

AIMME Appoints Beall

John V. Beall has been appointed eastern secretary of the mining branch of the American Institute of Mining and Metallurgical Engineers. He will continue as editor of *Mining Engineering.*

Proprietary Association

—*Continued from page 4*

doctor can handle more patients more efficiently than the doctor of another day.

"The modern hospital," he said, "discharging patients in an average of eight and one-half days, as against the average hospital stay of fifty-two days which was standard sixty years ago, is treating more people, more quickly, and certainly, in spite of inflation and other factors which have increased the cost of hospital care, is giving them more for their money."

Dr. Charles A. Winter, Merck Institute for Therapeautic Research, Rahway, N. J., told the association's scientific section that the most common side effects, drowsiness, lassitude and dizziness, of antihistamine drugs are of such a nature as to indicate some depression of the higher centers of the brain.

"Very little work has been done in animals on these effects," he said, "but in our laboratory we have shown that the antihistamine drugs potentiate the hypnotic effect of the barbiturates, and that the magnitude of this potentiation varies with different antihistamine agents, roughly paralleling the incident of drowsiness as a side effect in man.

"Furthermore we have been able to obtain evidence of a depression of other higher centers by demonstrating that the drugs are capable of inhibiting the performance of a task which rats have been trained to accomplish (rope climbing). The centers of the brain concerned in this test are different from those concerned in the barbiturate-potentiation test, and the drugs fall in a very different order of effectiveness by the two tests.

"Some of the central stimulating drugs, such as amphetamine and caffeine are effective antidotes for this action. Antihistamine drugs which commonly produce excitation as a side effect in man instead of sedation have a very different effect on the trained rats than do the others, and amphetamine and caffeine increase the effect rather than antagonize it.

"Thus, we have succeeded in the laboratory in making a beginning in the analysis of the action of these drugs on the central nervous system, and a step toward an explanation of the side effects produced by them."

Antihistamines Seen Abused

In a discussion on the "Facts and Fiction of Antihistamine," Dr. Harry E. Tebrock, medical director of Sylvania Electric Products, Inc., said he felt antihistamines have been showered with more abuse than justified.

"However," he added, "the possibility of state or federal control looms and we should review again with all modesty the position taken by the industry to be sure it is in keeping with sound business practice."

Dr. Merrill Moore, associate in psychiatry at Harvard Medical School, reported that clinical record and mortality statistics in Massachusetts during the period 1927 through 1948 demonstrated that:—

1. Chemicals and drugs caused 1.5 percent of the deaths.

2. Of those deaths caused by all chemicals and drugs, alcohol was responsible for 55 percent; all sedatives 4 percent; and gases, chemicals, surgical anaesthetics and non-sedative drugs caused the remainder.

3. Of all sedative deaths, barbiturates caused 73 percent, miscellaneous (chloral, paraldehyde, etc.), 26 percent, and bromides 1 percent.

4. Sedative drugs were causitive factors in seven cases per 10,000 deaths. In contrast, alcohol accounted for eighty-one per 10,000 deaths.

5. The trend throughout the twenty-one year period was:—a steady, marked increase of barbiturate deaths; a constant moderate rate for miscellaneous sedatives; and for bromides to remain as one of the rarest of all causes of death.

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CSMA Sets Agenda

—Continued from page 7

Purposes of the Insecticide Division," T. Carter Parkinson, McCormick & Co., Baltimore; "Role of the Consulting Laboratory in the Development and Testing of Insecticides," Dr. L. C. Barail, United States Testing Company, Hoboken, N. J.; "Economic Effect of Chemical Development in the Insecticide Industry," Dr. Lowell B. Kilgore, acting chief of the chemicals division of the Department of Commerce; "Status of Toxicity Work on Insecticides," M. R. Stephens, Food and Drug Administration; "Tentative Methods of Test for Resistance of Textiles to Insect Pests," Dr. G. R. Ferguson, Geigy Company, Bayonne, N. J.; "Studies on Insecticide Resistance of Flies and Mosquitoes," Dr. E. F. Knipling, Department of Agriculture; "Insecticide Resistant Housefly Studies in California," Dr. Ralph B. Marsh, University of California, and "Toxicity Hearings," John D. Conner, CSMA general counsel.

Waxes and floor finishes division will hear "Aims and Purposes of the Waxes and Floor Finishes Division," Bayard S. Johnson, Franklin Research Company, Philadelphia; "Carnauba Wax," A. J. Bohart, president of American Wax Importers and Refiners Association; "A Critical Study of Carnauba Wax Properties," Dr. Charles J. Marsel, New York University; "Sugar Cane Wax," Elbert S. McCloud, chief research chemist, S. C. Johnson & Son, Racine, Wis.; "Paraffin Waxes," Donald Jones, Atlantic Refining Company, Philadelphia, and "Resins in Water Emulsion Waxes," H. J. Mellan, Durez Plastics & Chemicals, Inc., North Tonawanda, N. Y.

June 12, 2:30 P.M.

The soap, detergents and sanitary chemical products division will hear "Aims and Purposes of Soap, Detergents and Sanitary Chemical Products Division," H. W. Zussman, Alrose Chemical Company, Providence, R. I., and a symposium on "Uses of Fatty Acids and Composition Specifications," with A. G. Peck, Peck's Products Company, St. Louis, as moderator and with speakers to be announced later.

June 13, 9 A.M.

A joint session of the aerosol and insecticide divisions will hear a symposium on allethrin, with Dr. Aldred Weed, John Powell & Co., New York, as moderator. Papers will be presented on "General Nature of Allethrin and its Specifications," Dr. C. C. Fisher, Carbide & Carbon Chemicals Division, New York; "Standardization Analyses and Storage of Allethrin," Dr. J. B. Moore, McLaughlin Gormley King Company, Minneapolis; "Toxicity of Allethrin, with Particular Reference to Rats," Dr. Donald F. Starr, S. B. Penick & Co., New York; "Biological Tests of Allethrin Without a Synergist," Kenneth B. Nash, John Powell & Co., and "Biological Tests of Allethrin in Combination with a Synergist," Dr. Howard A. Jones, U. S. Industrial Chemical, Inc.

The joint session will also hear a symposium on "New Developments in Household Insecticides," with A. C. Miller, Gulf Research & Development Company, Pittsburgh, as moderator. Papers to be presented are "Lethane in Aerosols," J. P. Nichols, Rohm & Haas Company, Philadelphia; "Lindane Space Sprays and Aerosols," R. O. Cowin, Indiana Standard Oil Company; "Progress Report of Toxicological Study of Chlordane in Aerosol," Sylvan O. Witherup, Kettering Foundation, Cincinnati; "Chlordane for the Control of Subterranean Termintes," Dr. C. C. Compton, Julius Hyman & Co., Denver; "Sulfox-cide," Dr. Starr, Penick; "Synergist 264," Dr. Moore, and "Allethrin in Aerosols," Herman Schroeder, USI.

Also to be presented at the joint session are "New Aerosol Formulations," R. A. Fulton, bureau of entomology and plant quarantine of USDA, and "Aerosol Cattle Sprays," R. H. Nelson, both of the bureau of entomology and plant quarantine of USDA.

Soap, detergent and sanitary chemical products division will hear "Evaluation of Paint and Linoleum Cleaners," J. A. Harris, Monsanto Chemical Company; "End Use Foam Testing," J. G. Sinsheimer, Fuld Brothers, Inc., Baltimore; "Recent Developments in Nonionic Surface Active Agents," Dr. Martin J. Cross, General Dyestuff Corporation, New York; "Sulphonation of Alkyl Aryls," J. E. Kircher, Sharples Chemicals, Inc., Philadelphia, and "Optical Bleaches in Soaps and Detergents," Edwin Stearns, Calco Chemical Division of American Cyanamid Company.

June 13, 9:30 A.M.

Disinfectant and sanitizers division will hear "Versene with Qauternary Compounds," F. C. Bersworth and J. Singer, Bersworth Chemical Company, Framingham, Mass.; "Hypochlorites versus Quaternaries," Dr. Vladimir Dvorkovwitz, Diversey Corporation, Chicago, and "Basis for the Analysis of Quaternary Ammonium Germicides of Ethylene Oxide, Condensation Type and Mixture Thereof," Dr. Dmitry A. Schiraeff, General Dyestuff.

June 13, 10:30 P.M.

Waxes and floor finishes division will hear "Misuse of Federal Specifications," Dr. W. W. Walton, National Bureau of Standards; "Water Emulsion Pastes," Joseph Green, Oil Specialties Company, Brooklyn, N. Y.; "Resin Emulsions," Gerard R. DeNapoli, Masury-Young Company, Boston, and "Testing Wear Resistance of Floor Wax with Radioactive Isotopes," Joseph J. Pescatore, United States Testing Company.

June 13, 12:30 P.M.

The luncheon meeting will hear the "Success Story of Glass Wax," by August C. Ragnaw, Campbell-Mithun Company, Chicago, followed by reports of the legislative and resolutions committees before adjournment.

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Botanical Drugs, Spices, Gums

Demand for botanicals in general was relatively poor last week. Medicinal drugs were called for mainly in jobbing quantities and the total of transactions was small. So far as condimental items were concerned, the lack of local market activity probably was due to the fact that most factors attended the annual meeting of the American Spice Trade Association during the major part of the week and if merchandise was bought and sold at the meeting, such activity was not reflected locally.

More plentiful supplies of rhubarb root led to more attractive prices being created. New crop expectations found reflection in lower spot prices on blue cohosh, white pine, wild cherry and passion flower herb. Gamboge gum was cheaper and much more competitive. Plenty of colombo root and limited demand for the same led to a reduction in spot quotations. Only Cochin and Nigerian gingers changed and they became cheaper.

On the side of higher prices were Jamaica pimento and hulled Nicaraguan sesame seed. Sierre Leone and Sudanese red peppers were lower because of an almost total absence of interest. Senega root strngthened, possibly because of the possibility that root being carried into the new crop season at Winnipeg may have been damaged by the flood in that city. A reduction in the Madagascar export tax on vanilla beans was reported to have lowered the f.o.b. value about 8 percent.

Balsams

Fir—The market was steady in price but hardly so with respect to demand; the call was for jobbing quantities and flowed to the spot with but limited regularity. Stocks were ample.

Tolu—Strongly maintained replacement quotations were noted at the origin, a condition that was fully reflected on spot where the minimum quotation of $3.25 per pound was by no means general. A more commonly met quotation was $3.35 and upwards of $3.50 was asked in certain directions. Demand was very steady.

Barks

White Pine—The fact that lumbering operations at the origin were in high gear meant that a plentiful stock of bark should be available at reasonable cost to the collectors this year. On spot, quotations were slightly lower at 16c. to 19c. per pound, depending on seller, quality, and quantity.

Wild Cherry—Country stocks were said to be gaining steadily. Furthermore, a very good sized carryover was said to be indicated by inventory returns now in. Local quotations on thin natural bark were shaded to 13c. to 16c. per pound and the rossed, thin green bark became 16c. to 17c.

Beans

Vanilla—Mail advices received here last week from Madagascar carried the intelligence that the export tax has been reduced by about 14 percent on the warehouse value of beans, the same being equal to an 8 percent reduction in the f.o.b. valuation, according to the shipper advising this market of the change. The spot prices on French beans remained exceptionally steady under the influence of some increase in inquiries and a limited gain in sales. Worldwide consumption of beans is expected to remain a highly influential factor in the determination of future trends in prices.

Market Trends

Prices Advanced

Drugs

Senega root, 5c. per lb.

Other Articles

Pepper, black, 1c. per lb.
Pimento, Jamaica, ½c. per lb.
Sesame seed, Nicaragua, hulled, ½c. per lb.

Prices Reduced

Drugs

Cohosh root, blue, 2c. per lb.
Colombo root, 2c. per lb.
Galangal root, 1c. per lb.
Ginger root, Cochin, unbleached, 3c. per lb.
Nigerian, 1c. per lb.
Gamboge gum, whole, 15c. per lb.
powdered, 20c. per lb.
Passion flower herb, 5c. per lb.
Rhubarb, whole, 25c. per lb.
powdered, 30c. per lb.
White pine bark, 1c. per lb.
Wild cherry bark, ½c. per lb.

Other Articles

Anise, Mexican, ¼c. per lb.
Glove, Zanzibar, ½c. per lb.
Marjoram, French, 5c. per lb.
Pepper, red, Sierra Leone, 3c. per lb.
Sudanese, small, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 27, 1949
188.9	190.6	191.9	193.6	180.3

(For Current Prices see Page 9)

Berries

Cubeb—Commercial relations with the origin were reported to be irregular and sporadic because of the political unrest. However, sellers said that spot stocks would care for all probable requirements and that prices were apt to remain well stabilized.

Juniper—The need was smaller than the local supply and the general market position was subject to a deal of competition whenever inquiry might develop. Top quality berries, however, were in not too ample spot supply.

Flowers

Clover—Inventories show only moderate quantities in hand on spot and at the domestic origin virtually nothing was in store. A much higher market would probably prevail had demand been even close to normality. However, the call has been mainly jobbing for some time past and it was not larger than that last week.

Elder—Some fairly attractive prices have been offered domestic gatherers in an effort to stimulate collection. In addition to that, local importers were said to be showing more interest in some new crop shipment proposals made from European points. Sellers do not expect a much lower market when new crop is available.

Gums

Gamboge—Mass or pipe was available at $1 per pound and in powdered form the item was quoted at $1.15 to $1.20. The more favorable price position reflected the presence of replacement goods bought at a substantial price advantage some time back.

Locust Bean—The market was exceptionally firm and although it was still quoted at 32c. to 34c. per pound, the tendency was to ask higher quotations with each shrinkage in spot stocks. All replacement advices were noted for the strength at the origins and good now afloat to the spot were held around 31c. to 32c. for latter delivery. Very little gum remains available at the sources of supply and shipment proposals usually involve distant Summer positions.

Herbs and Leaves

Belladonna—European leaves were believed to be reasonably easy at the moment and prices have continued to be sufficiently attractive to discourage any major cultivation this Summer in the United States. Importers were disposed to hold aloof in hope of further declines developing abroad.

Horehound—It has been rather difficult to obtain material sure to be passed on arrival in this country. The latest rejection involved 128 bags. Rejections thus tend to strengthen the price views of those with released merchandise in store.

Lobelia—Little is being carried into new crop season in any domestic market. Spot prices remained exceedingly high

Imports Detained by FDA

Week Ended May 19

New York

Banana powder, 84 drums: labeled with guarantee prohibited by the act.
Camphor oil, white, fractionated, 11 drums: non-official variety.
Cassia vera, 117 bales: insect filth.
Chillies, 344 bags: live and dead insects.
Cloves, 200 bales: filthy.
Cumin seed, 537 bags: filthy.
Eucalyptus oil, 11 drums: not official variety.
Fennel seed, 66 bags: filthy.
Henbane, 133 bales: not official variety.
Horehound herb, 128 bags: filthy.
Kola nuts, 184 bags: live and dead insects.
Manna, large flake, 6 cases: filthy.
Nutmegs, 212 bags: moldy and wormy.
Pepper, black, 199 bags: moldy and insect bored.
red, 170 bags: live and dead insects.
Sage leaves, 436 bags: stems substituted.
Thyroid powder, USP, 10 cases: not USP.
Coriander seed, 532 bags: filthy.

For Late Market Developments, See Page 4

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as a reflection of the shortage that came about last year when poor drying weather cut the total collection. The Spring thus far has also had more than a normal amount of rain.

Passion Flower—An excellent collection this year will be necessary if normality is to return to the stock on spot and at the origin. The spot quotation was eased to 35c. to 40c. per pound in anticipation of being able to buy advantageously if new crop collection be normal this year.

Sage—All signs point to the probability of new crop Dalmatian leaves being held at relatively high price levels this year. Little remains of the small crop of 1949 and all shippers take a relatively strong view of the future.

Miscellaneous

Cantharides — Russian whole flies of normal cantharidin strength were said to be exceptionally steady at $3.85 to $3.90 per pound on spot—which, incidentally, was said to be close to replacement cost despite what seemed to be quite cheap quotations on the London market. The opinion was ventured that the material so quoted was central European flies and not Russian goods. Powder ruled at $4 to $4.10.

Ergot — Strong prices in an inactive spot market continued unchanged and the future of the market cannot be determined until the size of the new crop has been ascertained and firm prices established thereon by Portuguese and Spanish shippers. Little unsold ergot existed anywhere, according to local beliefs.

Roots

Blood—The outlook for sufficient collection was said to have improved some without having produced any weakening of primary market valuations to this time. Of course, demand reaching the spot market was seasonally small and dull.

Cohosh — Blue cohosh was slightly lower at 15c. to 17c. per pound as a readjustment of local inventory values to conform more closely with the replacement cost now prevailing at the origin.

Colombo — Plentiful stocks were said to be in store at the present time and the market continued to develop an easier undertone and lower prices. Quotations ranged 13c. to 15c. per pound, depending on quantity and even less might be done if the stockfeed producer should place an order in carlot quantities.

Galangal—Competition was more active and led to open market prices being reduced to the level of 22c. to 25c. per pound, prevailing thereat according to seller and quantity.

Gentian—Advices from Italy suggested that the market there was becoming firmer as sellers developed a disposition to ask slightly higher prices on replacement parcels. Locally, light trade was done on the basis of prices mainly steady last week.

Rhubarb—Stocks on the spot have improved considerably and both Chinese and India root was being offered at more attractive prices for prompt delivery. While China root was priced at 95c. to $1 per pound. India root, 55c. to 60c. Powdered China root was $1.10 to $1.15; powdered India root, 62c. to 67c.

Senega—Prices have tightened considerably and the local quotation became $1.60 to $1.65 per pound in reflecting the stronger position developed in the Winnipeg, Canada, market in parallel with the flooding of that city.

Turmeric—Madras root was a fraction lower at 14¾c. to 15c. per pound but quotations on Alleppey, Haitian, and Jamaica root held unchanged.

Valerian—Belgian root in original bales was quoted lower at 36c. to 37c. per pound under more competitive conditions that have come to the spot with the offer-

—Continued on page 59

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Essential Oils, Other Aromatics

Trading in essential oils and aromatic chemicals was rather quiet last week, probably the result of industry-wide meetings which occupied the interest of both buyers and sellers. Expectations were for increased dealings in the next few weeks. Advances in the prices of six oils, notably those items imported from the French Oceania islands, geranium, vetiver and ylang-ylang oils. There were declines in the quotations of dillweed, eucalyptus, lemongrass and Italian orange oils, as well as of six other items. These activities put the price index at 126.5, or 0.5 point above that of the previous week.

The situation of Bourbon geranium, vetiver and ylang-ylang oils has become increasingly grave. Prices continue to move up and the available quantity of high quality oil grows steadily smaller. Dealers reported that these conditions may be expected to continue until new crops are ready for shipment to the market.

Lemongrass oil has become steadily weaker for spot and in turn has affected its various derivatives, such as citral and the ionones, which may be expected to move downward. Conditions for palmarosa, petitgrain and patchouli oils all proved favorable to buyers as did those governing dillweed and cedarwood oils.

The citrous oils market was somewhat unpredictable. Domestic orange and lemon oils remained stable but contradictary reports were received from Italian sources. Messina orange oil showed a decided drop. Bergamot oil spot prices fell off, but this seemed to be only a temporary condition. Lemon oil from Italy was being offered at a wide variety of prices.

Anise oil showed decided signs of weakening due to large shipments arriving on the local market. Cassia oil remained firm with prices continuing to be high.

Aromatic chemicals remained fairly quiet with no noticeable changes in prices. However, some of the materials reflected conditions of the raw materials from which they are derived, linalool and linalyl acetate, ex bois de rose, showing signs of growing strength. Eugenol and eucalyptol meanwhile, both appeared to be easing.

Market Trends

Prices Advanced

Almond oil, sweet, 5c. per lb.
Camphor oil, white, 1c. per lb.
sassafrassy, 2c. per lb.
Celeryseed oil, 50c. per lb.
Geranium oil, Algerian, $1 per lb.
Bourbon, 50c. per lb.
Vetiver oil, Bourbon, 25c. per lb.
Ylang-ylang oil, Bourbon, $4.25 per lb.

Prices Reduced

Bergamot oil, Italian, 5c. per lb.
Cedarwood oil, 2c. per lb.
Dillweed oil, 45c. per lb.
Eucalyptus oil, 80-90%, 5c. per lb.
70-80%, 5c. per lb.
Guaiacwood oil, 5c. per lb.
Lemongrass oil, 5c. per lb.
Ocotea cymbarum oil, 5c. per lb.
Orange oil, Messina, 10c. per lb.
Palmarosa oil, 5c. per lb.
Petitgrain oil, 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 27, 1949
126.5	126.0	126.6	102.8	103.0

(For Current Prices see Page 9)

Essential Oils

Almond—A rise of 5c. per pound was indicated in the market price of sweet oil. This put the range last week at 58c. to 80c. No change was noted in either the natural or artificial bitter materials.

Angelica—Small yield and high cost of production have kept the root oil at steadily high prices. The demand is very limited and the activity of the item is stable.

Anise—Continued confusion at the source has left the spot price unstable. Quotations were made from 95c. to $1.20 per pound with the greater number of suppliers asking lower prices. Whether or not this condition will prevail for any length of time was regarded by the trade a matter of conjecture. The trickle of information from China revealed that the new regime might force merchants to make loans to the government based on stocks held in warehouses. This was believed to be the reason for the freer shipments by traders who had previously been holding on to large stocks but were now anxious to unload.

Bergamot—Widening of the range occurred in the market of natural Italian oil leaving the price between $4.30 and $4.80 per pound. Demand was light and the material was freely available on spot. No change was made in the official Consortium price in the past month, but there were reports that shippers were starting to hold up on stocks which might tend to tighten the market. Increased interest on the part of beverage producers was expected in the near future.

Camphor—An advance of 1c. a pound was made in the price of white oil and the range was extended upward, standing last week at 25c. to 60c. Sassafrassy oil moved up 2c. per pound, putting the range also at 25c. to 60c. Supplies were very plentiful and the demand was strong. A domestic synthetic technical grade white oil was available at 16c. to 17c. per pound.

Cassia—Continued strength was shown in the spot market with no change from the advance made in the price of the previous week. Offers from the source were very definitely limited and, according to the trade, the quality of the material being shipped has been somewhat poorer than desirable.

Cedarwood—Prices of 30c. to 55c. per pound where asked depending upon container. The item continued to move in large volume and stocks were sufficient to meet all demands.

Celeryseed—A rise in the cost of the seeds, probably due to erratic market conditions at the source, was reflected in the spot market of the oil which showed an increase of 50c. per pound. This left the price last week at $15.50 to $17.50. Indications were that the market would continue high.

Coriander—Supplies have recently been arriving in large quantities making for a surplus of spot stocks. This is tended to weaken the market, which stood last week at $19 to $25 per pound. The majority of dealers were asking about $22, which was somewhat lower than in previous weeks. Expectations were for the continuation of soft selling conditions.

Dillweed—While awaiting the new crop and a rise of interest on the part of consumers, the market was quiet last week. Suppliers were getting from $5.50 to $7.10 per pound for the remains of last year's stocks.

Eucalyptus—In spite of the scarcity of Australian oil, material from other sources has been in good supply. This has resulted in a decline of 5c. per pound for both the 80-90 percent grade, which was sold at 67c. to 95c., and the 70-80 percent material, which was priced at 55c. to 78c. a pound. The situation of Spanish oil was reported to be unstable with other European countries trading the material around the continent for the exchange profit involved.

Geranium — Continued strength has manifested itself in the spot prices for both Bourbon and Algerian oils. The former rose 50c. to sell for $17 to $20 per pound; the latter was up $1 and was offered at $15.50 to $18.50. Demand remained heavy. The situation of the Bourbon material will probably continue at least into the summer when the next crop is expected. Algerian oil offers at the source were reported to be higher and indications are that the price will probably remain firm.

Guaiacwood—A shortage of the Mexican oil has been compensated by a plentiful supply from South American sources, causing a drop in the quotation to $1.60 to $1.90 per pound. Demand from perfumers and soap manufacturers has been mild, but may be expected to increase.

Lavander—The market continued to be easy for all grades of flower oil as well as spike. No change was noted in quotations and supplies covering all requests adequately.

Lavandin—Fair conditions of supply and demand continue with no change in price. The new crop is due in a few weeks but no indication of market prospects were to be had.

Lemon—California oil was unchanged last week at $2.85 to $3.25 per pound depending upon quality. In spite of poor growing conditions in the growing areas, this year's crop is expected to be sufficient to fill all requirements, although the quality of the oil may suffer. The Italian item was more closely quoted, but most dealers were asking prices above $3 for spot. Supply, in general, has been rather short and prices at the Italian source have been reported to be on the upgrade. The probable explanation of the situation is the heavy buying by other European countries.

Lemongrass—Spot prices softened last week, putting the range at $2 to $2.25

For Late Market Developments, See Page 4

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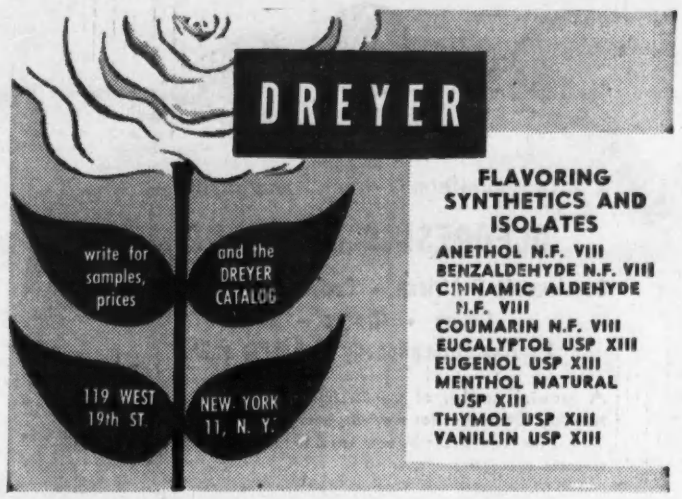

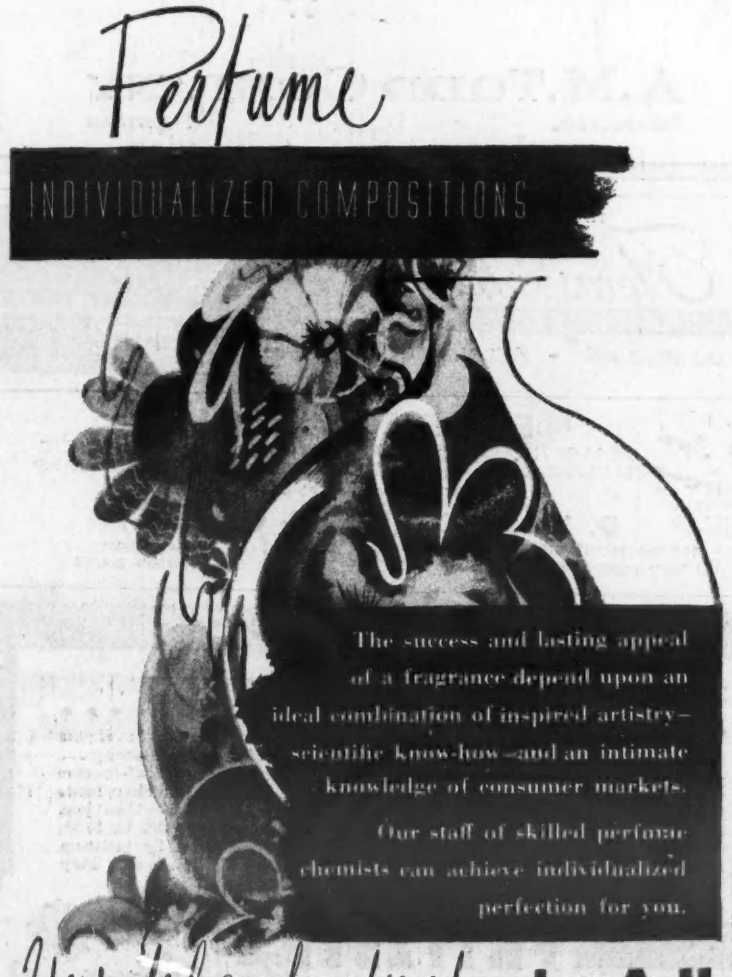
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per pound. This was most probably the result of some easing of supply and a weakening of demand from consumers caused when the sources attempted to hold the prices too high. There are still reports, however, that replacement costs may yet go higher. At present dealers are anticipating the new crop, due in the middle of the summer, and are not ready to predict future movements.

Neroli—With good quality French oil in limited supply, the price was held firmly at $160 to $170 per pound. Word from France to the effect that new crop prices have shown a marked rise has been received by the trade. It has also been reported that there is some Haitian and Italian oil to be had here on spot at about $110.

Ocotea Cymbarum—Quotations of 70c. to 95c., a drop of 5c. per pound, resulted last week from a lowering of the source price. Supply was ample and demand good.

Orange—The situation remained stable for California expressed oil with prices from 55c. to $1 per pound being asked according to brand. Floridian material continued unchanged. Oil from Italy showed a drop of 10c. per pound making a minimum offer of $2.85. Other Italian brands ranged up to $5.50.

Palmarosa—Prices softened and stocks were more available, bringing the price down to $7.35 to $8 per pound. Speculations were that the price may be strengthened in sympathy with the tight condition of geranium oil.

Patchouli—While no change was made in the price range, there was a definite weakening of the market. Demand was not very great and the material became increasingly available.

Peppermint—Supplies in the midwest continued to be held in strong hands and good quality oil was being sold at high prices. The range of prices remained unchanged, but feeling in the trade was toward higher prices to be expected before the next crop. According to the crop reporting board of the Department of Agriculture, Michigan mint growers began planting during the second week of May in the southern part of the state. The board also stated present indications were that last year's beds came through the Winter in "fair to good condition."

Petitgrain—Prices showed a decline of 10c. per pound, which put the market at $1.85 to $2.25 last week. A marked easing of supply made for a favorable buyers' market. The material was moving in good volume to makers of soaps.

Sandalwood—Market conditions continued to be stable with prices of $11.50 to $12.25 being asked per pound. Stocks were sufficient to meet all requirements, and consumer interest was active.

Vetiver—Continued scarcity of Bourbon oil, making for strong shipment prices again, moved the spot market in its upward trend to a range of $13 to $16 per pound. Demand has slackened recently, doubtless the direct result of high prices. No signs of a favorable change were to be seen in the near future.

Ylang-Ylang—The unrelieved scarcity of supply of the Bourbon material has seriously affected the price, moving it up to a range of $12.50 to $12.75 per pound. Suppliers report that the quality of the oil is generally poorer than normal. The outlook for the future situation of this item was decidedly pessimistic.

Aromatic Chemicals

Citral—After running high for some time, there was reason to believe that there might be a decline in the price as a result of the softening of the lemongrass market.

Eucalyptol—Although Australian eucalyptus oil continued to be scarce, a drop in the price of the spot oil resulted when other sources shipped ample supplies. This decline will undoubtedly make for a market which is more favorable to aromatics manufacturers.

Eugenol—The price remained stationary and, with the easing of price and

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supply of clove oil, there was little expectation of change.

Linalool—With bois de rose oil showing continued strength, this derivative has given indications of firming up. Activity remained steady on the spot market.

Linalyl Acetate—Prices were strong on all grades derived from bois de rose in sympathy with the firm market conditions of the oil.

Safrol — Reports are that the availability of the material has eased considerably. Prices have thus far not changed, standing between 85c. and $1.10 per pound. Soft drink manufacturers are expected to show increased interest in the near future.

Hopkins & Co. to Move

J. L. Hopkins & Co., New York, will transfer its headquarters offices to 477 Keap street, Brooklyn, on June 1. The company, which has maintained its plant, research laboratories, and warehouse at the Brooklyn site since its establishment in 1890, stated that the action was designed to coordinate Hopkins sales activities more closely with other phases of the business. The sales and administrative staff will be housed in enlarged and modernized offices at the Brooklyn location. The telephone number is Stagg 2-3874.

Polak's Frutal Works Moves

Polak's Frutal Works has moved its general and executive offices from Long Island City, N. Y., to Middletown, N. Y., the site of the company's plant. The firm's administrative personnel have been housed in a new building just completed. The Polak company was established as a sales organization in 1921, and manufacturing operations were started in Long Island City in 1937. Expansion of the business, which also necessitated the most recent move, resulted in the acquisition of the Middletown plant in 1946.

Ryland Recuperating

Harry C. Ryland, president of H. C. Ryland, Inc., New York, is recuperating from an attack of virus pneumonia. Mr. Ryland is expected to be back at his desk on June 12.

Botanical Drugs

—Continued from page 58

ing of root bought recently at lower prices in Antwerp.

Seeds

Mustard — Weather conditions at the origin in Montana were said to have included sufficient rain to make the crop prospect an improvement over what it was some time back. However, considerably delay in planting has resulted from farmers waiting for the Federal government to set a price support on barley. If none is set, then more mustard may be planted.

Sesame—Hulled Nicaraguan seed was a fraction higher at 20½c. to 24c. per pound, depending on quality. Chinese white natural and hulled seed remained exceptionally steady.

Spices

Clove—Zanzibar spice on the spot was lowered to the basis of 22½c. to 23 per pound and futures were understood to be available at the source for 22c. Madagascar spice was as low as 22c. and it was intimated that a shade less might be accepted by some sellers.

Ginger — A small lot of unbleached Cochin root now on spot was offered at the lower price of 50c. to 50½c. per pound. Also, split Nigerian root was reduced to 30c. to 31c. Jamaica root held steady at unchanged price levels.

Pepper—The market lacked much activity last week, possible for the reason that most operators were attending the annual meeting of the American Spice Trade Association held at Shawnee-on-the-Delaware, Pa. Prices were lower at times under the absence of buying and they were noted at $1.38 to $1.39 for black pepper. Sierre Leone red peppers were sharply lower at 45c. to 46c. per pound and some small Sudanese red peppers could have been bought at 44c. to 45c.

Black pepper prices last Friday were as follows:—Spot, $1.39 to $1.40 per pound; afloat, $1.38 to $1.39; shipment, $1.38 to $1.39.

Pimento—Prices succeeded in rising fractionally last week and business was done mainly on the basis of 21c. to 21½c. per pound. For many weeks local importers had declared that spot quotations had been much too cheap.

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Protective Coatings Materials

Black and red copper oxides advanced in price during the week, reflecting the strengthening in the metal. Imported and domestic standard casein were lower. These were the only price changes. They balanced each other out so that there was no effect on the weekly index figure.

Zinc metal advanced during the week but there was no change reported in the pigments. Lead metal was strong, but by the end of the trading period it was still holding on price and there were no revisions made in its pigments.

Synthetic resins were holding pretty much to their previous market position with regard to supply and demand. There were no changes in price listings. Shellac prices were without feature. There was word that the market abroad was firming up a bit, but accurate information as to the size of the crop and shipping conditions in India was still somewhat hard to get, and the picture therefore remained a bit confused.

Dioctyl, di-isooctyl and dicapryl phthalate prices were now settled at new levels, following the downward trend that began during the previous week. The other phthalates were without change. The aluminum organic salts and the copper organic salts listings were untouched, despite recent strength in the metals. How long they would hold at current levels was hard to say, however.

Interest in Argentine casein was giving way to interest in the French material, which was being offered at a lower price for July shipment. Denmark and Holland were also in the picture, but not heavily. Domestic casein was not in strong demand. Production was adequate but was not up to the standards that had been expected for this time of year. The continued cold weather had had a depressing effect on production.

The general demand for a number of materials was better than it had been. This was largely caused by the normal seasonal impetus being given to the protective coatings industry as a whole. However, with warmer weather it was thought that business would have been at even higher levels.

Prime Pigments

Aluminum Pigments—No changes in the price structure were reported during the period under review, although there was a price advance noted in the metal.

Black, Carbon—Sales and production were down six and ten percent respectively last year, while a rise in producers' stocks was noted, according to a recent report from the Bureau of Mines. Production amounted to 1,223,636,000 pounds and sales to 1,125,410,000 pounds. Stocks were up 93,218,000 pounds at year's end, to a total of 216,461,000. Production was down in all of the reporting states except New Mexico. The output in Texas declined by three percent, although that state produced 71.5 percent of all carbon black in the country. Contact black output, it was reported, decreased by nearly 50,000,000 pounds and furnace black by 25,000,000 pounds. The sales decline took place mostly in the contact grades. Sale of furnace grades was down only one percent. Rubber companies bought 767,131,000 pounds, or 103,000,000 pounds less than during the previous year. The sales to ink companies were without material change, while the purchases made by paint companies were up three percent. Export sales fell off for the first time since 1944, to a total of 303,244,000 pounds. Stocks of contact black held by producers at the end of the year amounted to 119,599,000 pounds. This was 91,953,000 pounds higher than the previous year's total. Stocks of furnace black were 96,862,000 pounds, an increase of 6,265,000 pounds.

The average yield of carbon black from natural gas declined again, to 2.38 pounds per thousand cubic feet. The carbon black industry consumed 427,892,000,000 cubic feet of natural gas, valued at 4.76c. per thousand cubic feet. This average value was 0.03c. per thousand cubic feet above the value in 1948. In addition, 72,387,000 gallons of liquid hydrocarbons were consumed, as compared to 44,600,000 gallons in 1948. The number of plants running in 1949 was sixty-four, one more than during the previous year. One new furnace plant was built in Texas and parts of two channel plants were moved to new locations. Two channel plants were combined, while seven channel plants and one furnace plant were shut down during or at the close of the year.

Market Trends

Prices Advanced

Copper oxide, black, 1.8c. per lb.
red, 1c. per lb.

Prices Reduced

Casein, imported, ¼c. per lb.
domestic, standard, ½c. per lb.
Rosin, gum, Savannah, F, G, H, I, K, 20c. per 100 lbs.
M, N, WG, 6c. per 100 lbs.
WW, X, 6c. per 100 lbs.
New York, B, D, E, F, G, H, I, K, M, N, 5c. per 100 lbs.
WG, 10c. per 100 lbs.
WW, X, 10c. per 100 lbs.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 27, 1949
173.7	173.7	170.4	196.4	208.4

(*For Current Prices see Page 9*)

Copper Oxide—Announcement was made during the past week of advances in both the black and red. The black moved up 1.8c. per pound, making the new less carload price 29c. on the low side of the range. The price on the high side was 35c. The red moved up 1c. This made for a new price on the low side of 30c., while on the high side it became 35c. Demand was holding at what were characterized as pretty good levels. The supply was about sufficient to accommodate the needs of the market, but it was not abundantly available.

Lead Pigments—Although the market was strong, there were no changes reported in the price of the metal during the past week, and consequently there were no revisions in the prices of the pigments. The general demand for lead was at a high point and it was said that deliveries this month may be at record levels.

Zinc Pigments—Although the metal advanced in price during the past week, there were no changes reported in the pigments by the end of the trading period. The metal continued in a strong market, with demand in excess of production.

Fillers and Extenders

Bentonite—For the first time in eleven years production of this item declined in 1949, according to a report from the Bureau of Mines. Output was six percent lower in tonnage and three percent lower in value when compared to 1948. A twenty-two percent decrease was noted in foundry use, and this was attributed largely on stoppages of work in the coal and steel industries. Bentonite used in the foundry and petroleum industries totaled 795,747 tons, or ninety-two percent of the total tonnage. The remainder found its way into a wide variety of uses. Use for filtering and decolorizing oils increased five percent over 1948, while use in insecticides was up nineteen percent. Nine states were in production during 1949. Increases were reported from Arizona and Utah, while there were decreases from California, Mississippi, Montana, South Dakota, Texas and Wyoming. The production in Idaho was the first reported from that state. The Wyoming-South Dakota area furnished fifty-six percent of the total tonnage in 1949, compared with 59 percent in 1948. Texas furnished three percent of the total, the same as for 1948. The remainder came from Arizona, California, Idaho, Mississippi, Montana and Nevada. The average value of bentonite sold or used rose from $7.74 a ton in 1948 to $8 a ton in 1949. The annual average tonnage for the years 1945-'49 was 745,624 tons.

Synthetic Resins

Synthetic Resins — Coumarone-indene resins were in excellent demand during the past week, as they had been for some time, and producers were running into difficulties in satisfying the needs of the market. There were no changes in price. The styrenes were reported to be in good demand but supply was none too free. Listings were holding at their previously established levels. The terpenes were also in good demand but supply was on the snug side and in some quarters it was reported that producers were behind on deliveries. There were no changes in price.

Natural Resins

Shellac—At week's close, the market was steady as to price in this country and there were reports that the market in India was firming up. Demand here was reported to be running at fairly good levels

For Late Market Developments, See Page 4

and there was some impetus being received from the normal seasonal increase in the protective coatings market. Supplies were at such a level that producers were having no particular trouble in covering the needs of their consumers. Just what the size of the crop in India was at this time was a difficult thing to say. There had been reports that it was large this year and then there were further reports that it was about average and that there were delays in bringing the raw material from the country into the shipping centers. As of last week, there was still a bit of confusion as to the state of the crop abroad.

Following were last week's listings:—bleached, bonedry, in bags, 48½c.; in barrels, 49c. and in kegs, 51c.; refined, in bags, 58½c.; in barrels, 59c. and in kegs, 61c. Lemon No. 1 was going for 40c. to 41c. and No. 2 was bringing 38c. to 39c. Superfine was commanding 35c. to 36c. and TN was worth 33c. to 34c.

Lacquer Materials

Phthalates—Comparable listings by the various producers were in effect last week on dioctyl phthalate, di-isooctyl phthalate and dicapryl phthalate. This resulted from a lowering that had its beginning during the previous week. There were no changes reported on the other phthalates, and it was not determined whether there would be, although previously it had been learned that producers were giving study to their listings.

Miscellaneous Materials

Aluminum Organic Salts—No changes were reported in the prices of laurate, linoleate, naphthenate, oleate, resinate or stearate during the past week, but with the advance in the price of the metal during the period, producers were studying the price structure. Just what would happen to the price lists was a hard thing to say since these are small items and might not reflect the change in the metal.

Casein—Imported material was lower in price by ¼c. during the past week, making the new listing 20¼c. to 20½c. Demand on the market here was not great, and sellers thought the principal reason was that buyers were holding back on the orders while waiting to see what further price moves there might be. Much interest that would normally have been centered an Argentine material was now turning to goods from Europe. It had been reported that there was a good production in France and that Denmark and Holland also had some material. The French goods is being offered at 20c. for July shipment, while Argentine material is for June shipment. The availability of goods abroad will come at just the time the Argentine producers are in their slow season. Winter there will naturally keep production back, and added to that is the fact that there were only small stocks on hand because of the severe drought of several months ago and the widespread strike that came close to crippling the dairy industry. It will not be until late October before heavy production again starts in Argentina.

Domestic standard casein was lower by ½c. This made the new listing 22½c. to 23½c. Demand was slow at this time and stocks were not at a high level. However, they were sufficiently strong to cover the normal needs of consumers. Season production is coming in at this time, but reports are that it is not up to expectations. Earlier, it had been estimated that the output this spring would be equal to or better than it was last year, but the weather has been so cold that production has not come up to expectations, and now the industry is wondering whether this spring's output will be as great as it was a year ago. It was pointed out by one source last week that the availability of foreign goods would probably not have any considerable effect on the sale of American high quality casein, since buyers here who demand high quality material were said to prefer the domestic product.

Copper Organic Salts—No changes were reported during the past week in the listings of oleate, resinate or stearate, but, with the strength in the copper market, there was no guarantee that the prices of the salts would remain unchanged. However, they are normally small items in the trade, and therefore it was not easily determined whether they would move.

Lecithin—Demand was holding at good levels during the period and the supply was sufficiently high to meet it without difficulty. The technical, bleached, in carload lots was going for 13c. and in less than carloads for 16c. The unbleached,

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Naval Stores

Pine Gum—Prices received by producers for crude pine gum delivered to processing plants during the week ended May 20 averaged $17.92 per standard barrel of 435 pounds, according to the Department of Agriculture. This compares with $18.41 for the previous week.

The nineteen reporting plants received 25,699 barrels, or an average of 1,353 barrels per plant, compared with 1,416 barrels a week earlier. The average contents per barrel were 11.49 gallons of turpentine and 298.3 pounds of rosin. The gum was grade 48 percent WW, 20 percent WG, 13 percent N, 10 percent M, and 9 percent K and below.

The record of the gum naval stores markets during the wee kended May 26 was as follows:—

Gum Rosin

	Price per 100 lbs. Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.	New York c.l., l.c.l., f.o.b. ex N. Y. whse. Friday
B	$5.10	$5.10	$5.10	$5.10	$5.10	$6.15 $6.90
D	5.10	5.10	5.10	5.10	5.10	6.15 6.90
E	5.10	5.10	5.10	5.10	5.10	6.15 6.90
F	5.12	5.10	5.10	5.10	5.10	6.15 6.90
G	5.12	5.10	5.10	5.10	5.10	6.15 6.90
H	5.12	5.10	5.10	5.10	5.10	6.15 6.90
I	5.12	5.10	5.10	5.10	5.10	6.15 6.90
K	5.12	5.10	5.10	5.10	5.10	6.15 6.90
M	5.16	5.10	5.10	5.10	5.10	6.15 6.90
N	5.16	5.10	5.10	5.10	5.10	6.15 6.90
WG	5.16	5.18	5.10	5.10	5.10	6.20 6.95
WW	5.26	5.26	5.20	5.20	5.20	6.40 7.15
X	5.26	5.26	5.20	5.20	5.20	6.40 7.15
Drums						
Sales		400	300			
Receipts	853	273	409	176	271	
Shipments			4			
Stocks	29,580	29,653	30,258	30,434	30,705	

Gum Turpentine

	Savannah Exchange Bulk Mon.	Tues.	Wed.	Thurs.	Fri.	New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.) Friday
Per gal.	.40	.40	.40	.40	.40	.49 .57
Sales, bbls.						
Receipts, bbls.	1,113	766	916	349	963	
Shipments, bbls.	155	250	148	281	144	
Stocks, bbls.	9,608	10,134	10,902	10,970	11,789	

Petroleum Crude Products Output Increased in 1949

Production of crude products from petroleum and natural gas in 1949 totaled 5,000,000,000 pounds, compared with 3,900,000,000 in 1948, according to preliminary statistics released by the Tariff Commission.

The output of all aromatic and naphthenic products in 1949 totaled 1,000,000,000 pounds, compared with 892,000,000 pounds reported for 1948. All of the increase in 1949 is accounted for by a larger output of "miscellaneous aromatics," which include aromatic distillates and solvents, sodium carbolate and phenolates, and petroleum-derived phenols.

The output of toluene from petroleum in 1949 declined to 349,000,000 pounds from the 359,000,000 pounds reported for 1948; sales in 1949 were 289,000,000 pounds, valued at $9,000,000, compared with 301,000,000 pounds, valued at $9,000,000 in 1948. The production of xylene from petroleum in 1949 was 356,000,000 pounds, or 27,000,000 pounds less than in 1948; sales of this product in 1949 were valued at $616,000,000, slightly less than the value of sales in 1948.

The output of all aliphatic hydrocarbons in 1949 amounted to 4,000,000,000 pounds, about 950,000,000 pounds more than was reported for 1948. Sales of aliphatic hydrocarbons in 1949 amounted to 2,300,000,000 pounds, valued at $83,000,000. The output of propane, propylene, and propane-propylene mixture in 1949 totaled 1,100,000,000 pounds, compared with 714,000,000 pounds in 1948; sales in 1949 were 859,000,000 pounds, valued at $9,700,000, compared with 497,000,000 pounds, valued at $8,600,000 in the previous year. The production in 1949 of butadiene declined to 494,000,000 pounds from the 661,000,000 pounds reported for 1948.

The preliminary statistics on production and sales of crude products derived from petroleum and natural gas are more than 95 percent complete. The complete statistics will be given in the commission's final report which will be issued later. Copies of the section on crude chemicals derived from petroleum and natural gas, released today, may be obtained by writing to the United States Tariff Commission, Washington 25, D. C.

ASA Honors Bingham

Albert B. Bingham, divisional director, Pittsburgh Plate Glass Company, Newark, N. J., has been awarded an honorary certificate by the American Standards Association. Mr. Bingham, who received the award in recognition of his work in the development of industrial standards, has been a member of the ASA standards council for the past three and a half years, representing the National Paint, Varnish and Lacquer Association.

National Lead Advances Gilbert

National Lead Con.pany, New York, has appointed R. B. Gilbert trade sales manager of the firm's Atlanta, Ga., branch. Mr. Gilbert, who joined the company in 1928, has for the past twenty years been on the paint sales staff of the Cleveland, Ohio, branch, becoming paint trade sales manager in 1947.

A-D-M Shifts Staff

Archer-Daniels-Midland Company announces the appointment of George J. Kaiser as manager of the Buffalo office, succeeding John P. Broshard, who has been transferred to the Minneapolis office. William A. Foley has been named general plant superintendent at Buffalo.

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Drying Oils Course Planned At Minnesota Univ. Aug. 7-11

University of Minnesota, Minneapolis, will conduct a course in the processing, production and uses of drying oils on August 7-11 on the campus in that city. Presented with the cooperation of the American Oil Chemists Society and the Federation of Paint and Varnish Production Clubs, the course will consist of lectures by leading authorities in the field.

Subjects will run the gamut from the application of the chemistry and technology of drying oils to practical operating problems encountered in oil milling, oil processing and the manufacture of protective coatings.

Armour Foundation Named Center Of Clay Prod. Research Program

Armour Research Foundation of the Illinois Institute of Technology, Chicago, has been named the technical research center of the Structural Clay Products Research Foundation. The research program to be conducted at Armour will be devoted primarily to end-use research in brick, tile and other structural clay products. Robert B. Taylor, director of research of the structural clay foundation, will establish an office in Chicago to take personal charge of the Armour project, which marks the initial phase of the industry's long-range $1,250,000 program.

National Adhesives Offers New Edition of Can Labeling Booklet

A new, revised edition of "Successful Can Labeling," booklet published by National Adhesives, can be obtained from the company at 270 Madison avenue, New York 16, or its offices and plants in the United States, Canada, England and Holland. The major portion of the work is devoted to a thorough tabulation of labeling difficulties, their causes and correctives.

Arabol Opens Atlanta Plant

Arabol Manufacturing Company, New York, has opened a new factory at 225 Moore street, S. E., Atlanta, Ga. The new plant, which will concentrate primarily on adhesives used by customers in Georgia, South Carolina, North Carolina, Florida, Tennessee and Alabama, follows the opening of a warehouse in Atlanta in March, 1948, by the company. Frank J. Michael, who has served as Arabol's representative in this area for the past few years, will be in charge of the newly-created southeastern division.

Better Finishes Names Kraft Agent

Better Finishes & Coatings, Inc., Newark, N. J., has appointed Kraft Chemical Company, Chicago, midwest sales representative to handle the former concern's line of paint, plastic and chemical products. Kraft will carry substantial warehouse stocks of the Better Finishes line at Chicago, Detroit and other key points, including technical chromic acid flake, on which material the Newark firm recently began commercial production.

Chase Driers in Detroit

Chase Driers & Chemicals Division of Industrial Lining Engineers, Inc., Pittsburgh, Pa., has appointed C. L. Hueston Company, Detroit, Mich., as its sales agent and distributor in Michigan.

N. Y. Paint Club Outing June 22

New York Paint, Varnish and Lacquer Association will hold its annual sports outing on June 22 at the Huntington Crescent Club, Huntington, L. I., N. Y.

Trade Briefs

John J. Pardy has been appointed assistant to the general manager of the cap seal division, Irvington Varnish & Insulator Company, Irvington, N. J.

John C. Best, vice-president of the National Gypsum Company, Buffalo, N. Y., has been elected to the board of directors of the Buffalo Chamber of Commerce.

Dr. Andries Voet, director of research in the ink division of the J. M. Huber Corporation, has gone to Israel to be a consultant for the Israeli government in technical research.

C. Withington Company, Long Island City, N. Y., has appointed John H. Groschwitz technical sales service representative in the New York and New Jersey metropolitan area.

Godfrey Cabot, Inc., carbon black manufacturer, Boston, has elected David D. Cochrane as a vice-president. He is chief engineer and manager of the new products division.

Bids Wanted

Acids, including, sulphuric, 648 pounds, boric, 200 pounds, and chromic, 1,200 pounds, Army Medical Corps (St. Louis 2, Mo.) invitation 87, June 8.

Activated carbon, 20,000 pounds, Navy Purchasing Office (Chicago) invitation 5195, June 15.

Baking powder, 40,032 pounds, Quartermaster Purchasing Office (Chicago 9) invitation 59, June 23.

Benzol, 2,645 gallons, Navy Purchasing Office (New York 3) invitation 6515, June 13.

Bleaching powder, 25,000 pounds, Naval Supply Center (Norfolk, Va.) invitation 8764, June 5.

Brake fluid, arctic, 25,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 470, June 19.

Chlorine, Army Engineers Corps (Governors Island, New York 4) invitation ENG-5, June 5.

Cleaning materials: sweeping compound, 100,000 pounds, and scouring powder, 25,000 pounds, Marine Corps (Navy Building, Washington 25) invitation 711, June 16; scouring powder, 9,000 pounds, Federal Supply Service (Washington 25) reference 89275(3), June 7.

Compressed gases, acetylene, hydrogen, oxygen, as required, U. S. Air Force (Reese Base, Texas) invitation 42, June 16; acetylene, oxygen, hydrogen, nitrogen, carbon dioxide, U. S. Air Force (Robins Base, Ga.) invitation 107, June 9; medicinal and industrial, Veterans Hospital, Lexington, Ky., invitation 5, June 1; medicinal oxygen, Commissioner of Purchases & Supplies, Room 126, City Hall, City of Cleveland, authorized by ordinance No. 187-50, June 1.

Corrosion inhibitor, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 463, June 16.

2,4-D concentrate, 40% or more, Department of the Interior (Fish & Wildlife Service, Washington 25) invitation FW6-507, June 12.

DDT, powder, 1,000 pounds, Federal Supply Service (Fort Worth, Texas) reference FW-9789, June 7.

Desiccant, activated, 200 drums, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 461, June 16.

Dip coating, 700,000 pounds, Army Ordnance Department (Raritan Arensal, Metuchen, N. J.) invitation 488, June 22.

Dry ice, 300,000 pounds, Navy Purchasing Office (New York 3) invitation 6502, June 14; 15,000 pounds, Naval Supply Center (Norfolk, Va.) invitation 8760, June 5.

Fingerprint remover, 2,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 464, June 16.

Fire extinguisher, carbon tetrachloride, and foam type, Army Engineers Corps (Chicago 6) invitation B-1570, June 5; liquid, 2,384 gallons, foam making solution, 100 gallons, and powder, 5,300 pounds, invitation DA-ENG-B-1537, May 31.

Formaldehyde, 30,000 gallons, Navy Purchasing Office (San Francisco 5) invitation 220-145-C, June 9.

Glue, casein, 35,000 pounds, Army Engineers Corps (Chicago 6) invitation C-1615, June 7.

Hydraulic oil, 3,500 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 486, June 22.

Ink, litho offset, as required from July 1, 1950, Commerce Department (Coast & Geodetic Survey, Washington 25) invitation 936, June 12; duplicating 174,692 pounds, Quartermaster Procurement Agency (New York 3) invitation 915, June 16.

Lard oil, 14,850 gallons, Army Ordnance Department (Springfield, Mass.) invitation 108, June 15.

Linseed oil, raw, 20,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 451, June 14.

Lubricating grease, 10,000 pounds, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 487, June 22; 36,000 pounds, Post Office Department (Washington 25) invitation 271, June 2; 3,090 pounds, invitation 272, June 2; 1,050 pounds, invitation 273, June 2.

Muriatic acid, 1,240 pounds, Army Medical Corps (St. Louis 2, Mo.) invitation 87, June 8; 2,500 pounds, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 465, June 15.

Nickel salts, including chloride, 200 pounds, and sulphate, 1,000 pounds, Army Medical Corps (St. Louis 2, Mo.) invitation 87, June 8.

Oleovitamin A and D, 30,384 50-cc bottles, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 668, June 6.

Paint, enamel, varnish, lacquer: varnish, shellac, 1,525 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50,516, June 6; insulating, 1,900 gallons, invitation 50,550, June 16; enamel, 7,260 gallons, invitation 50,519, June 13; paint, 2,700 gallons, invitation 50,513, June 6; 1,200 gallons, invitation 50,574, June 19; paint, 500 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 453, June 14; varnish, insulating, 1,000 gallons, invitation 452, June 14; enamel, 105,000 gallons, invitation 476, June 20; 34,000 gallons, invitation 477, June 20; 355,000 gallons, invitation 478, June 20; 113,000 gallons, invitation 479, June 20; 75,000 gallons, invitation 480, June 20; paint, 160 gallons, Federal Supply Service (New York 13) reference NY-6148, May 31; 160 gallons, and enamel, 24 gallons, invitation NY-W-22616, June 8.

Paint remover, 1,100 gallons, U. S. Air Force (Olmstead Base, Middletown, Pa.) invitation 205, May 31; 10,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 454, June 14.

Paint stripping compound, 60,000 pounds, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 472, June 19.

Petrolatum, white, 40,044 kilos, yellow, 150,011 kilos, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 662, June 2.

Phenol, 700,000 pounds, Navy Purchasing Office (San Francisco 5) invitation 220-146-C, June 9.

Propane, liquefied, as required from July 1, 1950, Army Engineers Corps (Fort Devens, Mass.) invitation ENG-46, May 31.

Resin, pigmented, 1,210 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50,576, June 19.

Rust preventive, 10,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 459, June 16; 220,000 gallons, invitation 489, June 22.

Salt, 985,000 pounds, Quartermaster Procurement Agency (New York 3) invitation 914, June 19.

Shortening, lard 47,400 pounds, hydrogenated, 184,250 pounds, Veterans Administration (Washington 25) invitation 259-A, June 5.

Soap, borax toilet, 5,000 pounds, Marine Corps (Navy Building, Washington 25) invitation 711, June 16; automobile, 42,320 pounds, Post Office Department (Washington 25) invitation 269, June 2; grit, 10,000 cakes, Federal Supply Service (Fort Worth, Texas) reference FW-9791, June 7.

Soda, laundry, 1,575 pounds, Post Office Department (Washington 25) invitation 270, May 31; caustic, 6,000 pounds, Federal Supply Service (Washington 25) reference 89274(3), June 7.

Sodium borate, dehydrated concentrated ore, 50,000 pounds, Department of the Interior (Bonneville Power Administration, Portland, Oregon) invitation 5162, June 6.

Sodium nitrate, 60 tons, Agriculture Department (Washington 25) invitation 420, June 1.

Solvent, degreasing, 17,500 pounds, U. S. Penitentiary, Lewisburg, Pa. invitation JPI-14-3294, June 1.

Sulphuric acid, 10,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 466, June 15; 15,000 gallons, invitation 467, June 15.

Thinner, paint, 750 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50,516, June 6; pyroxylin lacquer, 60,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 450, June 14.

Trichlorofluoromethane, 1,600 pounds, Illinois National Guard Depot (Springfield, Ill.) invitation 296, June 1.

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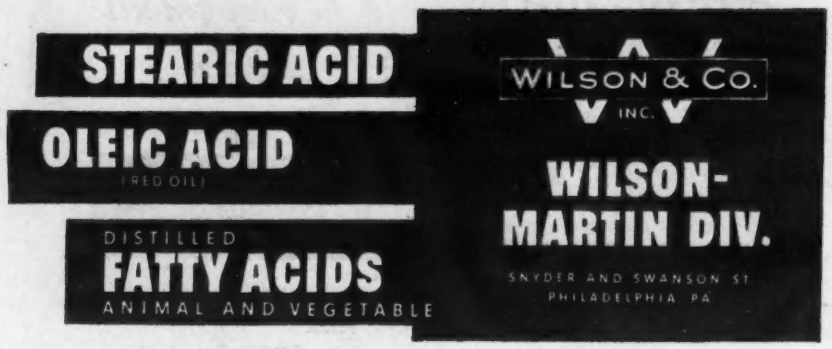

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Oils, Fats and Waxes

Higher prices for edible vegetable oils featured the oils and fats market last week. The advance was led by soybean oil, which was boosted sharply by the increased cost of soybeans. This strength was reflected in cottonseed, corn and peanut oils, which were lifted fractionally. While edible oils were higher, animal oils were weaker, following the drop in tallow and greases. Price index advanced .6 point during the week.

Coconut oil was firmer, with copra, though quotations were without change. Copra was advanced $7.50 per ton. Edible olive oil was easy and slightly lower under liberal offerings on spot and for prompt delivery. Olive foots were in limited supply on spot and remained steady, while commercial olive oil was inactive and easy.

Tallow and greases developed an easier tone, reflecting the weakness of western markets. Prices declined ¼ cent for the better grades while low grades dropped ½ cent. Buying interest continued slow and limited trading took place at the lower schedule. This also affected grease and tallow oils, which declined ½ cent.

Linseed oil was firmest in the drying oils group reflecting the advance in flaxseed, due to scarcity of offerings of seed for prompt delivery. Oil was lifted fractionally, with some sellers withdrawing offers for nearby delivery. Tung oil continued weak, declining ½ cent under increased offerings of spot oil and lower prices for forward delivery. Oiticica also was weaker and reduced fractionally for prompt and forward delivery. Dehydrated castor remained steady.

Market Trends

Prices Advanced

Cod oil, ½c. per lb.
Copra, $7.50 per ton.
Corn oil, ¼c. per lb.
Cottonseed oil, ¼c. per lb.
Flaxseed, 5c. per bushel.
Linseed oil, 2/10c. per lb.
Peanut oil, ¼c. per lb.
Soybean oil, ⅝c. per lb.

Prices Reduced

Greases, ¼c. to ½c. per lb.
oil, ½c. per lb.
Oiticica, oil, ½c. per lb.
Olive oil, edible, 10c. per gal.
Tallow, ¼c. to ½c. per lb.
oil, ½c. per lb.
Tung oil, ½c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 27, 1949
121.9	121.3	120.2	111.3	125.7

(*For Current Prices see Page 9*)

Cottonseed Oil

Trading continued active in bleachable cottonseed oil futures last week. Market was steady and reflected the sharp advances in soybeans. Prices fluctuated widely under liberal speculative buying. Profit taking was liberal on the bulges, but this selling was readily absorbed. Market was highly speculative and followed the wide swings in soybeans. Stronger crude cottonseed oil also was a dominant factor.

Crude cottonseed oil was in limited supply and advanced ¼c. with the increased cost of soybean oil and beans. Sales were reported at 14¾c. per pound, tankcars, f.o.b. mills in the Valley and 14½c. in Texas. Trading was light and spotty.

Production and Marketing Administration offered 18 tankcars of crude cottonseed oil, f.o.b. Texas. Bids were to be sent to the PMA Dallas office by May 26 and less than 13¼c. would not be considered.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended May 26 follow:—

	Sales	Cents per pound High	Low	Close
July	434	17.40	16.60	16.98—17.04S
September	657	16.58	16.08	16.46S
October	178	15.81	15.10	15.30@15.38
December	324	15.33	14.82	14.83S
March	..	....	....	14.73@14.85
May	21	15.15	15.10	14.75@14.85

Total sales, 1,614 tankcars, including switches.

Memphis—Crude cottonseed oil sold at 14¾c. per pound, tankcars, f.o.b. mills. Trading light. Cottonseed meal, 41 percent, quoted at $67.50 per ton, sacked, Memphis. Demand improving. Stocks light. Cottonseed hulls offered at $18 per ton, sacked, Memphis. Farm preparations very backward this section.

Linseed Oil

Higher cost of flaxseed strengthened the oil market last week and quotations were raised another 2/10c. per pound. Flaxseed advanced 5c. to $4.10 per bushel, f.o.b. Minneapolis. Raw oil was boosted to 17.30c. per pound, tankcars, Zone 3, May-August delivery. The tight supply of seed resulted in reduced offerings of oil especially for nearby delivery. Trading, however, continued restricted to prompt requirements. Oil withdrawals against contracts showed moderate improvement.

Minneapolis.—Demand for linseed oil was fair last week and prices were advanced to 16.5c. per pound for raw oil in tankcars. New bookings were not large but a good segment of paint, floor coverings and printing ink manufacturers covered needs up through August. The warehouse quotation was at 16.7c. per pound but sales were made mostly at 16.5c.

Shipments of linseed oil, in pounds, were as follows:—

	1949-50	1948-49
This week	7,740,000	9,120,000
Since Sept. 1	321,420,000	269,898,000

Flaxseed — Market advanced 5c. per bushel. Demand was active, with offerings scarce.

Minneapolis.—Buyers offered $4.10 a bushel for spot and to-arrive offerings, after having little success in picking up supplies at the $4.05 level. Receipts showed a decided pick-up, totaling around 140 cars, but bulk of these were applied on to-arrive sales. Shipments were practically nil—totaling only 2,400 bushels—as compared with recent weeks, when flaxseed was being moved out for export. Virtually all crushers were buying flaxseed from the CCC at $6.35 a bushel—crushing it, selling the oil to the CCC and the meal on the open market. The local office of the CCC said crushers had purchased more than 2,000,000 bushels during the past two weeks.

Flaxseed receipts and shipments, in bushels, were as follows:—

Bushels—	Receipts 1949-50	Receipts 1948-49	Shipments 1949-50	Shipments 1948-49
This week	239,400	1,700	3,400	39,100
Since Sept. 1	16,784,000	31,963,000	3,035,300	8,114,000

Other Vegetable Oils

Castor Dehydrated—Trading was reported moderate for prompt delivery. All grades were unchanged and steady. Reports from Brazil stated that firms under the Bank of Brazil approval may for the time being barter castor and babassu oils for railway and highway equipment, farm machinery, truck chassis and some raw materials.

Coconut—Market was steadier with higher copra. Crude oil was held at 14c. per pound, tankcars, f.o.b. Pacific coast, May shipment; 13⅞c. June and 13¾c., July. Trading was reported slow.

Copra—This market was firmer. Prices were lifted $7.50 per ton. Prompt shipment was quoted at $185 per short ton, c.i.f. Pacific coast.

Corn—Trading in crude oil took place at 15¼c. per pound, tankcars, f.o.b. mills, up ¼c. for the week. Refined oil was maintained at 18¼c. per pound, tankcars, New York delivery.

Oiticica—This market was easier with the lower cost of tung oil. Liquid was cut to 18½c. per pound, tankcars, prompt delivery, New York. Drums ranged from 19½c. to 20c. per pound, according to quantity.

Olive—Liberal offers of edible oil and slow demand kept this market unsettled. Drums were quoted at $1.90 to $2.10 per gallon, duty paid, on spot as to quantity. Imports of edible oil totaled 3,400 drums and 510 drums of olive foots. French Morocco's edible olive oil production for the 1949-50 crop year amounted to approximately 11,000 short tons, according to the American Consulate at Rabat. This year's output, while considerably less than the 20,000 tons produced in 1947-48—the best postwar crop year—was well over the 7,500 tons of 1948-49. Annual domestic edible oil consumption averages about 35,000 tons, including approximate 10,000 tons of olive oil. Only 1,063 tons of edible olive oil were exported from Morocco in 1949, compared with 6,411 in 1948. Of the 1949 total, 783 tons were sent to the United States.

Peanut—Crude oil was stronger and advanced ¼c. Tankcars were quoted at 14¾c. per pound, f.o.b. mills for prompt shipment. Trading was spotty. Refined oil was held at 18c. per pound, tankcars, New York basis.

Soybean—Stronger bean market was reflected in oil, and prices were advanced ⅝c. per pound. Business was fairly active. Crude oil was sold at 14c. per pound, tankcars, f.o.b. mill, May-June delivery; at 13¾c., July-September. Octo-

For Late Market Developments, See Page 4

ber-December was quoted 11½c. Refined edible oil was raised to 16¾c. per pound, tankcars, New York delivery.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended May 26 follow:—

	Sales	Cents per pound High	Low	Close
June	..	....	....	13.50@14.00
July	43	13.65	13.15	13.60S
August	..	....	....	13.46@13.65
September	24	13.70	13.05	13.33—13.36S
October	25	11.75	11.20	11.35@11.60
November	3	11.10	11.00	11.10S
December	7	11.25	10.80	11.80S
January	1	11.00	11.00	10.50@10.75
February	..	....	....	10.50@10.75
March	2	11.04	11.04	10.50@10.75
April	..	....	....	10.50N
May	..	....	....	10.50N

Total sales, 105 tankcars and switches.

Tung—Price trend continued lower and the market was off at least ½c. per pound. Imported oil was quoted at 23c. per pound, tankcars, spot, New York, with bids at ½c. less. June delivery was quoted at 22¾c. and August-September, 22c. Lower prices brought out improved buying interest and a fair volume of business was reported at the lower level. Drums were reduced to 23½c. to 24c. per pound, depending upon quantity.

Fats and Greases

Greases—Lower grades were reduced about ½c. per pound, while choice white was off ¼c. Prices were lower due to slow demand and easier western markets. Choice white was quoted at 6c. per pound, tankcars, delivered; yellow, 4¾c. and house, 4c.

Lard—Lard and rendered pork stocks in the United States totaled 105,552,000 pounds, May 1, compared with 86,028,000 pounds, April 1 and 138,216,000 pounds, May 1 last year. The five year May 1 average is 105,948,000 pounds. Market was firmer with higher vegetable oils. Export business active for shipment to Mexico. Refined lard was quoted at 13½c. per pound, containers, f.a.s. Cash lard was raised to 12.55c. per pound, tierces, Chicago.

Tallow—Market was easier and declined ¼c. to ½c. per pound. Trading was moderate at the lower level. Fancy was sold at 6⅛c. per pound, tankcars, delivered. Extra was quoted at 5⅞c. and special, 5⅝c.

Animal Oils

Degras—Business was restricted to actual needs. Crude and neutral grades were maintained at former levels.

Grease Oils—Weakness in pressing stock resulted in declines of ½c. per pound. Business was slow and competition keen. No. 1 ranged from 10¼c. to 10½c. per pound, drums, as to quantity; extra winter strained, 11½c. to 12c. and prime burning, 12½c. to 13c.

Oleo Oil—Market was inactive. Extra ranged from 12¾c. to 13c. per pound, tierces, New York delivery.

Oleo Stearine—Demand was spotty. Prices ranged from 8¾c. to 9c. per pound, barrels, New York basis.

Fish Oils

Cod—Offers for shipment have become scarce and the market was firmer. Trading was still spotty. Untanked oil was quoted at 8c. per pound, drums and tanked at 9c., prompt delivery at New York.

Fish—Refined grades moved in good volume for prompt requirements. Limited stocks were well held at former levels. Crude menhaden oil was merely nominal at 6c. per pound, tankcars for new crop oil. Fishing along the Atlantic coast will start shortly. Production in the Gulf was reported limited. A few cars of crude sardine oil on the Pacific coast were held at 7½c.

Los Angeles.—Activity picked up this week as about five cars of tuna oil were traded at 4.625c. per pound, tankcars, f.o.b. Los Angeles. These sales have about exhausted the supply of oil. Small quantity of sardine oil held in San Diego was quoted at 7.5c. per pound.

Fatty Acids

Red Oil—Consuming demand was fairly active, with the bulk of sales confined to immediate requirements. Prices were without change and steady.

Stearic Acid—Prices remained steady for all grades. Trading was moderate for prompt delivery. The United States, Canada, and Mexico are among thirty-eight countries and subdivisions from which stearic acid imports will not be licensed under an order of the British Board of Trade permitting such imports up to September 30.

Cake and Meal

Cottonseed Cake and Meal—The meal market was about steady. Forty-one percent loose slab cake was offered from $54 to $56 per ton f.o.b. Texas points. May-June shipment. Limited quantities mostly resale, were offered at $63 f.o.b. Mississippi Valley points, immediate shipment. Forty-one percent sacked meal was sold in small quantities at $70 to $71 per ton f.o.b. Georgia; $71 to $72 f.o.b. South Carolina points with 36 percent $5 per ton less. Mill offerings continue light but supply seems adequate to meet demand.

Linseed Meal—Market easier. Business slow.

Minneapolis.—Inquiry on linseed meal continued light the past week. The market displayed an easier tone for anything beyond prompt shipment. Extracted meal 36 percent was quoted at $62.50 to $63 per ton, bulk, for May through July shipment and expeller meal 34 percent was quoted at $67 to $68 per ton, bulk, f.o.b., Minneapolis, but there were offers at several dollars under [illegible] prices for deferred shipment in June and July.

Shipments of linseed meal, [illegible] ds, were as follows:—

	1949-50	1948-49
This week	7,680,000	9,380,000
Since Sept. 1	622,610,000	492,700,000

Peanut Meal—Since exporters entered

CARNAUBA & CANDELILLA
HIGH M.P. SUBSTITUTE
BEES & JAPAN WAX
ORANGE BLEACHED SHELLAC
WM. DIEHL & CO.
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PEANUT MEAL-SOYABEAN MEAL
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Drums - Tank Wagons - Tank Cars
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(formerly Wah Chang Trading Corporation)
Woolworth Building New York 7, N. Y.
Woodoil Dept. Co 7-0877

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Drumming Bleaching WAXES Barrelling Refining
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RUtherford 2-7985

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Dept. E-5 Established 1855 Syracuse, N. Y.
Spermaceti Ceresine Red Oil Glycerine Stearic Acid
WARRANTED PURE BEES WAX

FOR IMMEDIATE DELIVERY
COMMON DEGRAS
TANK CARS, CARLOADS, LESS THAN CARLOADS
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612 N. Michigan Ave., Chicago 11, Ill.
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MARTIN, HOYT & MILNE, 902 N.W. 14th Ave., Portland 9, Oregon
MARTIN, HOYT & MILNE, Merchants Exchange Bldg., San Francisco 4, Calif
MARTIN, HOYT & MILNE, 906 E. 3rd Street, Los Angeles 13, Calif
COMMERCIAL CHEMICALS, INC, Ellicott Square Building, Buffalo 3, N. Y
MARTIN, HOYT & MILNE, 1016 First Ave., South, Seattle 4, Wash.

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Plasticizers and Extenders for
Plastics and Rubber-Toluol and Xylol
Paraffin and Microcrystalline Waxes

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THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio

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MIXED
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Mono-, Di-, Tri-
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the market and paid much higher prices for meal than domestic buyers. The demand for peanut meal has been light. Occasional cars of meal were offered at $75 f.o.b. South Georgia and South Alabama mills, May shipment. Solvent meal was quoted $1 to $2 per ton less. The government continued to release small quantities of peanuts each week for crushing but the tonnage is not large enough to affect the market either way. Prices of peanut meal have been too close to soybean meal to cause any great demand for peanut.

Soybean Meal—Forty-four percent bulk meal was quoted at $71 per ton Decatur, basis, May-June shipment with July-August-September about $1 per ton higher. Supplies of southeastern production meal continued scarce. Limited quantities old process have traded at $78 to $80 f.o.b. southeastern mills, May-first half June shipment. Prices were steady but trading was limited.

Waxes

Beeswax—Trading was light and confined to immediate needs. Market remained steady. Crude and refined grades were unchanged.

Carnauba—A steady tone featured this market last week. Prices were unchanged and maintained at the recent advance. Brazilian market was firm with offers for shipment light. Inquiry for replacements was more active. No. 3, crude, was held at 72c. to 74c. per pound, on spot, as to quantity, and refined at 76c. to 78c.; No. 1, yellow, 95c. to 97c. and No. 2, 93c. to 95c.

Spermaceti—Demand was slow. Prices were easier. Blocks were quoted at 24c. to 27c. per pound and cakes, 25c. to 28c., according to quantity.

American Optical Co. Develops Non-Corrosive Cleaning Solution

American Optical Company, Southbridge, Mass., has developed a new cleaning solution for personal safety equipment such as goggles, respirators, and helmets. Called "No. 101 Germicidal Detergent," the product is said to remove dirt and deposited skin oils without inducing corrosion, staining or deterioration of rubber, plastics, or metal parts. The solution may be used as a spray, swabbing or immersion solution.

Lubricating Engineers Elect Schmitz Vice-Pres.-at-Large

Carl E. Schmitz, vice-president and director of engineering for the Crane Packing Company, Chicago, was elected vice-president-at-large of the American Society of Lubrication Engineers at the annual convention just concluded in Detroit.

Mr. Schmitz was previously treasurer and regional vice-president of the organization. His other current activities include chairmanship of a sub-committee on engine design for the Society of Automotive Engineers and membership on the conference committee of the National Conference on Industrial Hydraulics.

H.F. Sinclair Elected Honorary Board Chairman

Harry F. Sinclair, who in 1916 founded the oil company which bears his name, has been elected honorary chairman of the concern. Mr. Sinclair, who resigned the presidency last January and was named board chairman at that time, yielded the latter position upon receiving his honorary appointment. He will, however, continue to serve as a Sinclair company director and will also be available in a consultant capacity.

Amsco Advances Egan

American Mineral Spirits Company, Chicago, has appointed Donald R. Egan sales representative for the Michigan area. Mr. Egan joined the Amsco organization in 1949, moving to the Detroit, Mich., office at the start of this year. In his new post he will be responsible for servicing the company's petroleum solvent tankcar accounts.

Brazil Revising Trade Lists

Trade lists of the Brazilian Government are being revised. American foreign traders doing business with Brazil are requested to send in details concerning their firm, its export or import offers, names of officers and address, if placement on these lists is desired. Address Trade Lists, Brazilian Government Trade Bureau, 551 Fifth avenue, New York 17.

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- for any method of application—laminating, brush, roller-coating or spraying in any form—in slabs, drums or solution

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MICRO-CRYSTALLINE WAXES: For laminating and dipping purposes, wax-coatings, moisture-proofing, glassines, paraffine-extenders, etc. M.P. 130°F. up to 200°F. In olive-green, amber, natural yellow and white colors. Needle penetrations at 77/100/5 from 3 to 95.

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AGENTS AND WAREHOUSE STOCKS IN PRINCIPAL CENTERS

ATLANTA — Deeks & Sprinkel Co.
BALTIMORE — Warner-Graham Co.
BOSTON — Mulcahy & Griffin
BUFFALO — Wetherbee Chemical Co.
CHICAGO — Philip E. Cale Co.
CINCINNATI — Deeks & Sprinkel
CLEVELAND — Norman G. Schabel Co.
DETROIT — D. H. Osgood Co.
HOUSTON — Joe Coulson Co.
KANSAS CITY — John T. Kennedy Sales Co.
LOS ANGELES — E. B. Taylor Co.
LOUISVILLE — Deeks, Sprinkel & Miller, Inc.
MONTREAL, CAN. — Wm. J. Michaud Co., Ltd.
NEW ORLEANS — Russell Chemical Co.
PHILADELPHIA — Loos & Dilworth, Inc.
PITTSBURGH — B. Ostroff
PORTLAND, ORE. — Miller & Zehrung Chemical Co.
ST. LOUIS — Harry G. Knapp
SAN FRANCISCO — E. M. Wells
SEATTLE — Carl F. Miller & Co.
TORONTO, CAN. — A. S. Paterson

Petroleum Derivatives

Prices of diesel oil and No. 2 fuel oil were advanced 0.4c. per gallon and kerosene 0.3c. per gallon by most producers at a number of East Coast ports during the latter part of the week. Otherwise, ther were no price changes. Aromatic solvents were reported to be in a generally tight supply spot, although there was one producer who said he was in a comfortable position. Higher boilers were still not freely available, while the demand was strong and looked as though it would continue that way.

No great change was noted in the market for aliphatics. Supply was generally sufficient to meet the needs of consumers. There was some snugness reported here and there as a result of the situation in gasoline, but in the overall view it was not having a great effect on the market. Demand was reported to be running a little better as a result of the usual seasonal pickup in the paint industry.

The heavy summer demand for L.P.G.'s had not yet hit the market, but was expected to by the end of the month. Since Decoration Day generally marks the opening of summer homes in the rural areas, it was felt that after that date the demand for butane and propane would begin to pick up. Supply was sufficiently strong for producers to meet the needs of the market without any particular difficulty.

Microcrystalline and paraffin waxes continued in good demand. Supply was just about up to it, but nothing more. Petrolatum was in adequate supply, and all the stocks were needed since the demand was continuing strong and gave indications of going on that way. A good call was noted for white mineral oils. Supply was up to it.

Solvents and Diluents

Aromatic Solvents—Prices were firm at recently established levels and there were no indications of any changes in the immediate future. Demand was still at a high level for both toluol and xylol. For some weeks tightness had been reported in the supply of both items, with xylol the shorter of the two. During the past week the same reports were heard again. However, there was one producer who said that its supplies of both toluol and xylol were not in a tight position.

Demand for higher boilers was still at a high point during the period and the indications were that it would continue that way for some time yet. Supply was tight. Producers were just about able to meet the demand of the market but they were not able to do any more than that. Prices were unchanged, after recent revisions, and there were no indications that there were any further changes in prospect. Following the previous week's action by one producer, who advanced its price 1c. on one of its blends, another announced during the past week that it was effecting a 1c. raise in the listing of a 90 percent xylol fraction. Depending on producer, demand was reported to be running from good to very strong and supply from adequate to good.

Cleaners' Naphtha—Demand was running at good levels during the past week, but supply was a little indefinite. In some quarters it was reported to be freely available but in other sections of the industry the reports were that there was some tightness because of the situation in gasoline.

Lacquer Diluent—Demand was holding at generally good levels, and was receiving some impetus from the seasonal pickup in the paint trade. Supply was generally adequate for the market's needs, but, what with the situation in gasoline, there was reported to be some tightness here and there.

Mineral Spirits—Prices were reported unchanged during the period under review. The demand was somewhat better than it had been because of the seasonal pickup in the paint industry, but in some places it was said that the gasoline situation had brought a tightness into the supply of this product.

Rubber Solvent—Supply was sufficient to meet the needs of the market, although it was reported that there was some spotty tightness.

Stoddard Solvent—Demand was about unchanged from the previous week. It was holding at levels that were fairly good, although not exactly strong. Supply was at a generally satisfactory point, although the gasoline situation was responsible for some tightness.

V. M. & P. Naphtha—The supply was somewhat narrowed by the gasoline picture, although in general it was satisfactory for the needs of the market.

Market Trends

Prices Advanced

Diesel oil, 0.4c. per gal. East Coast.
Fuel oil. No. 2, 0.4c. per gal. East Coast.
Kerosene, 0.3c. per gal. East Coast.

Prices Reduced

None

(*For Current Prices see Page 9*)

Lighter Fractions

L.P.G.'s—Demand was pretty much unchanged during the past week but it was expected to increase shortly. Decoration Day would see the opening of summer homes in the rural areas and that would bring with it an added call for butane and propane. Supply was sufficient to meet the current needs and was expected to be ample for the summer load demand. There were no changes reported in price during the past week and there were no signs that there were any due for the immediate future.

Waxes

The market for both microcrystalline and crude and fully refined paraffin waxes was without particular change during the period. Prices were still holding and demand was strong. Supply was just about able to meet the demand but it was far from free.

Miscellaneous

Diesel Oil—Most producers last week had advanced their listings at a number of East Coast ports by 0.4c. per gallon in a strengthening market.

Fuel Oil—The No. 2 oil went up by 0.4c. per gallon at most East Coast points last week. The advances were announced by most producers. A late Spring had boosted demand.

Kerosene—The heavy call was reflected in an increase of 0.3c. per gallon at most East Coast ports last week.

Petrolatum—The general supply picture during the past week was one of adequacy, as it had been during the recent past. This was a fortunate situation, for the demand was still continuing at a strong point and was expected to go on that way for at least the immediate future. There were no changes reported in the price listings and there were no indications that there would be any in the immediate days ahead.

White Mineral Oils—Pricewise, there were no changes reported during the period under review and there were no indications that there were any in prospect. Demand was at a good point and it appeared likely that it would stay there for at least the immediate future. Supply was holding up at levels sufficient to accommodate the normal needs of consumers without any particular difficulty.

Los Angeles Petroleum Market

Seasonal conditions continue to improve the local market with heavy demand noted. Supplies of all thinners are strong with prices unchanged. Cleaning solvent quoted from 15½c. to 19½c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area. Lacquer diluent posted from 16½c. to 20½c. per gallon, same basis, and stoddard solvent quoted from 15.7c. to 19.5c. per gallon, same basis.

The local market appears very unsettled due to off-season conditions. Producers continue to reduce their stocks at less than the posted prices for butane and propane of 5.3c. per gallon, tankcars, f.o.b. Los Angeles. Supplies are more than ample to meet any demand.

Supplies are reported very heavy with a slight decrease in demand the past week. Prices are unchanged as follow:—140/147 ASTM, carload loose slabs, f.o.b. shippers refinery, San Francisco, quoted at 6.95c. per pound. 146/148 ASTM, same basis, quoted at 7.15c. per pound and 157/162 ASTM, same basis, quoted at 7.6c. per pound. Tankcar prices named at 6.05c, 6.25c. and 6.9c. per pound respectively.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended May 13 totaled 241,770,000 barrels, according to the Bureau of Mines. Compared with the total of 242,463,000 barrels in the preceding week, this represents a decrease of 693,000 barrels, comprising a decrease of 308,000 barrels in stocks of domestic crude and a decrease of 385,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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4—36" x 36" Shriver Rubber Filter Presses, semi-hard 1½" rubber plates, rubber covered 3" cast iron frames; 4-eye, corner feed, closed delivery, washing type. One Press 35 chambers, others 18 chambers. Each with 50-ton Seco closing device.

2—#12 SWEETLAND FILTERS, 36 leaves on 4", also 72 on 2".
2—900 gal. closed, jack., agit. STEEL KETTLES, 10 H.P. Motors & drives.
1—2,000 gal. STEEL KETTLE, jack., open top, agit., 7' x 7'6".
2—BAKER PERKINS MIXERS, size 17. Jacketed, 200 gallon.
1—No. 4-TH MIKRO PULVERIZER. Also #2-TH with motors.
1—VACUUM SHELF DRYER, 17 shelves, 40" x 43".
1—Standard Knapp auto-type Top and Bottom Gluer-Sealer, #429, self-adjusting for width and height. 25' Compression Unit. Late type. Excellent condition. Attractive price.
2—6' dia. x 8' Oliver STAINLESS STEEL trough type continuous VACUUM FILTERS.

ROTARY VACUUM DRYERS—*Now Installed*

1—Stokes #59C, 4' x 20', jacketed, with spiral agitator, dust filter, barometric condenser and dry vacuum pump.
1—Stokes #59B, 3' x 15', jacketed, with spiral agitator, dust filter, barometric condenser and dry vacuum pump.

STAINLESS STEEL ROBALL SIFTERS

10—No. 71 J. H. Day Co. "Roball" Sifters, single deck, screening surface 40" x 84", with STAINLESS STEEL SIEVE FRAMES, SCREENS, FEED AND DISCHARGE HOPPERS, etc., each with 2 H.P. Motor and steel stand. Used 3 times only.

1—30" x 30" ALUMINUM PLATE AND FRAME FILTER PRESS, Sperry—43 chambers, side feed, open delivery, used on pectin. In excellent condition and for immediate shipment.
1—300 gal. PATTERSON HIGH CHROME MANGANESE BALL MILL, 54" x 54", jacketed, with drive and motor.
1—J. H. Day Steam Jacketed ALUMINUM Horiz. 1,000# DRY POWDER MIXER.
2—5'4" x 40' Ruggles Coles STAINLESS STEEL ROTARY DRYERS for direct heat or low temperature hot air.
1—6' x 60' Louisville Rotary Steam Tube Dryer, with unused and new welded steel shell and tubes, 27—4½" and 27—3" tubes.
1—ROTARY VACUUM DRYER, 5' x 33'.
1—#1 BANBURY MIXER, chrome plated rotors, drive, 40 HP motor.

SIMPSON INTENSIVE MIXERS FOR SALE

2—4'6" dia., #1½. New in 1947, used less than 3 weeks. Each with jacketed wear plate, National feeding hoist, enclosed crib, heating and dust collecting equipment. Also one older #2 machine 6' dia., open crib, without heating and dust collecting equipment.

1—8' x 12' Oliver ACID PROOF FILTER, lead fitted.

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Proctor & Schwartz 3 Pass Dryer with S.S. Belt; 7'8" wide x 14'6" high x 20' long, complete.
Proctor & Schwartz Single Pass Dryer; 9 sections; 11' wide x 64' long.
Buffalo Single Drum Chrome Plated Vac. Dryer 5'x12' complete with Vac. Pump, receivers and accessories.
Buflovak TWIN Drum Dryer; chrome plated; 32"x52".
2 Goslin Birmingham Drum Flakers; 4' x4'.
1 Buffalo Stainless and Chrome Lab. Flaker; 12"x18".
3 Link Belt Multi Louvre Dryers; Nos. 310, 610, 1003.
4 Louisville Steam Tube Dryers; 6'x25' and 6'x50'.
Renneburg Fish Meal Processing Unit; 5 tons per hr. including Grinder, Press, Dryer, Conveyor, Tanks, etc.
5 Karbate Heat Exchangers, No. 22; 76" good for 50 lbs. pressure at 300 degrees F.; 44 sq. ft. surface.
Lancaster 30 ton Heavy Duty Pug Mill; 11'x11'7"x3'.
2 Cast Iron Triple Effect Salt Evaporators 13' diameter with Barometric Condensers.
2 Stainless Clad Jacketed and Agitated Kettles; 1000 gal. 6'x5'7" dished heads; manholes.
Buhrstone-Lined Pebble Mills, some with XPL proof motors; 18"x24", 54"x60", 62"x72", 62"x82".
Eimco Stainless Drum Filter, 4'x6'.
Standard Make Steel and Manganese-Lined Ball Mills; sizes: 30"x20", 3'x3', 4'x4', 4'x7', 6'x6', 58"x64", 6'x8'.
Hardinge Conical Ball Mills; 3'x8", 6'x22", 7'x48".
Oliver Dorrco Type 4'x1' Filter.
Oliver Drum Filters with Nickel, Rubber and other Non-Corrosive contacts; sizes: 5'3"x6', 6'x3', 6'x44", 8'x10', 8'x12', 11'6"x18'.
Feinc Filters, acid resistant, string type; 8'6"x8' and 10'6"x16'.
2 Bird Continuous Centrifugal Bowl Type Filters, Stainless Steel, 18"x28".
2 Bird Continuous Solid Bowl Centrifugals, 40"x60" with contacts of Rubber and Hastelloy.
1 Bird Continuous Centrifugal Filter, 36"x72" with Monel contact parts.
3 Laughlin Filters, 30" and 36".
4 Baker Perkins "Termeer" Type S 48.
1 Baker Perkins "Termeer" Model HS 1600, 63"x25".
2966—Zaremba Triple Effect Copper Evaporator 220 sq. ft. per effect.
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Knapp E adj. Wraparound and Spot Labeler, 1 gal. cap. (also for jars with ears).
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Colton & F. J. Stokes Eureka & RD3 Rotary Tablet Machines.
F. J. Stokes DDS-2 23-punch Rotary Tablet Machine.
Triangle Package models U Auger, G2C, A2C, N2CA & A60A Electri-Pak 6 head Fillers.
Triangle model SHA auto. Net Weigher and Carton Sealer.
Colton 4PF Cream Filler.
Filler 1, 2, 4, and 8 head stainless steel Piston Fillers.
Ceco Carton Closer; Jones Cartoner.
Knapp No. 429 Carton Sealer.
Package Machy. Co. Models FA, DF, FAQ and FA2Q fully automatic Cellophane Wrappers.
Scandia SSU1 and Miller semi automatic Cellophane Wrappers.
Mikro 4TH, 2TH, 1SH & Bantam Pulverizers; Jay Bee 3AT & U1, Schutz-O'Neill, Stedman Mills.
Baker Perkins and Readco Heavy Duty 100 and 150 gallon cap. Double Arm Jacketed Mixers.
Huhn and Hersey Steam and Gas Fired Rotary Tubular Dryers.
Day and Robinson 100, 600, 2000, 4000 lbs. Dry Powder Mixers and Sifters.
F. J. Stokes, J. H. Day, New Era, Hottman Mixers, from 2 gallons up to 450 gallons, with and without Jackets, Single and Double Arm Agitators.
Robinson 800 lb. Stainless Steel Dry Powder Mixer.
Lee 400 gal. Stainless Steel 90 lb. S. J. Mixing Kettles.
Copper Steam Jacketed high-pressure Kettles, with and without Agitators.
Kent Three Roll Roller Mills, 12" x 30" and 16" x 40" sizes.
Houchin Aiken & N.E. Soap Mills.
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Horix Stainless Steel Rotary and International Straightline automatic Vacuum Fillers.
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1—Oliver 4' x 5' Rotary Vac. Filter.
10—Patterson, Abbe Pebble Mills, 8' x 9', 5' x 6', 5' x 4', 4½' x 3½', 36" x 42", 30" x 36".
3—Mikro Pulverizers, 4TH, 2TH, 1SH.
3—Rotex Screens, 20" x 48", 40" x 120".
1—No. 00 Banbury Mixer with 10 HP motor.
5—Baker Perkins Double Arm Steam Jacketed Mixers, 100, 50, 2 gal.
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2—Mikro Pulverizers #1SH and #2TH.
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UNION, N. J.

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PONY MIXERS from 2½ gallons to 40 gallons.
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20—Steam Jacketed Kettles, Stainless Steel, Copper & Aluminum 5 to 250 gals.
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4—New Glass Nash Centrifugal Pumps 168 gpm at 40'.
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Bucket Elevator 8"x5" contin. 40' c/c.
Hardinge Mills—4'x22", 7'x22", 6'x48".
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Automatic bottling lines—fillers, labeler, air cleaner. Gravity conveyor, power boosters, tank scales, copper and wood tanks, pumps, air compressors, etc.
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1—Badger 42" dia. Monel column.
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4—Stokes & Colton Rotary & Single Punch Tablet Machines, ½" to 2"
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Devine 500, 800 & 1,000 gal. closed steel Kettles & Stills. 250 gal. lead lined kettle.
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6—Pony Mixers, 2½ to 40 gals.
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2—Worth 12"x12"x12" Vac. Pumps.
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10' DIAMETER X 30' LONG HORIZONTAL

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AUTOCLAVE—Vert. jack'td., 6'x8', S.S. clad, 40# WP, ASME Code.

BLENDERS—Sprout Waldron, jack'td., S.S. ribbon blender, 20 cu. ft.
Copper, 20" dia., 20" deep, conical, M.D.
Conical, 7'8" dia. x 10' S.S. lined.
Gedge Gray, 3'6" wide x 10' long, cap. 96 cu. ft., sigma blades.

BOILER—Dowtherm, 500,000 BTU, 125# pressure, Natl. Board, gas fired.

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FILTERS—8' x 10' Oliver, continuous.
8' x 6' Oliver, continuous, SS Type 304. (UNUSED).
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KILNS, DRYERS, COOLERS—
3'10" x 16' Link Belt, Roto Louvre.
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4' x 30' Traylor.
6' x 40' x ½" Bonnott.
7' x 45' Link Belt.
7' x 60' x ½" Allis Chalmers.
9' x 24' Link Belt, Roto Louvre.
Buflovak, single drum, 24" x 20", S.S. drum, vari-drive and vacuum pump.
Spray, 3' x 6', S.S., electrically heated.

(The above is only a partial listing of our inventory. Send us your inquiries.)

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RATES PER INSERTION—PAYABLE IN ADVANCE (Not Subject to Agency Commission)

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Stokes high vacuum pumps—212C, watercooled, 100 cim; v-drive; used 3 months; satisfaction guaranteed. Price $349 each; quantity available; inspect. American Sales Co., 67 E. 8th St., New York, N. Y. GRamercy 3-1465.

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Zinc Dust—6,000 lbs. New material. OPD 304.

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Do not wait until conditions further limit prospects of disposing of top-heavy inventories; will purchase surplus unshipped commodities, all kinds. Particularly interested in pigments, chemicals, dyes, colors, waxes, drugs, pharmaceuticals, etc OPD 266.

Wanted: Surplus—Crude drugs, roots, powder or solid extracts, such as ipecac, stramonium, cascara, aloin, belladona, etc. etc. State quantities available and, if possible, asking price. Quick action. OPD 300.

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Our Vegetable oil refinery needs a shift supervisor to look after refining, hydrogenation, winterizing, deodorizing, and allied operations. Good pay and excellent living conditions. Give full outline of training in application. OPD 301.

PLANTS WANTED

Wanted—Complete plants; also machinery. Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock, (2) assets; (3) machinery and equipment, whole, or in part. Personnel retained where possible Strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

SERVICES OFFERED

We have available a completely equipped plant for the manufacturing of lacquers, synthetics and industrial finishes. We will rent all or part at cost or will produce for large users the finished products at cost plus actual overhead. OPD 303.

Solvay Dedicates Lab

—Continued from page 4

your hands. Your job is progress and service. New products and processes must be conceived, old ones improved, and new uses for our products must be developed."

In the afternoon, guests of the company were personally conducted in small groups on inspection trips through the new laboratory. They were shown, with excellent explanations by trained personnel (1) a model and photographs of various Solvay plants; (2) laboratory apparatus for organic chemistry research; (3) Solvay associated products and their uses; (4) model of brine well and apparatus for determining solubilities; (5) Solvay products in the glass industry; (6) chemical library containing books, periodicals and patents; (7) metallurgical laboratory; (8) X-ray and microscope for study and identification of materials; (9) analytical laboratory—chemical analyses by modern procedures; (10) spectrograph for identifying traces of metals; (11) Solvay special alkalies and cleansers and their uses; (12) fluo-solids demonstration, corrosion research; (13) methods of evaluating detergents; (14) calcium chloride and its various uses, chemical treatment of wool-scouring waste; (15) basic materials used in Solvay's operations, display of Solvay products; (16) model of the Solvay process, laboratory model crystallizer, Solvay emergency devices for stopping chlorine leaks; (17) descriptive literature; (18) Solvay in the textile industry; (19) paper in various stages of manufacture.

Thursday evening there was a reception and a dinner in the Onondaga hotel, Syracuse. After dinner, Mr. Yeoman introduced a score or so of those who were helping to give Solvay its position in the chemical industry. He also again presented President Chadwick who told the more than 300 guests how much Solvay thought of the community and how much the new laboratory was expected to add to the service of the community and the users of alkalies and related chemicals. Dr. W. P. Tolley, chancellor of Syracuse University, also spoke. His theme was the proper and beneficial cooperation of science, education, and democracy in the advancement of the system of free enterprise and free men. He warned against taking ideals and their contributory factors too much for granted.

School groups were taken through the laboratory May 26. Following came another open house there for families and friends of laboratory employees. Friday evening was given over to an open house for the Syracuse section of the American Chemical Society. The public relations aspects of the event were so gratifying that various expressions were heard about the desirability of having perhaps another week of open house for the whole Syracuse area.

Royal Saxon Co. For Sale

Royal Saxon Company has invited sealed bids for the purchase of its property at 126 High street, South Bound Brook, N. J., machinery and equipment for the manufacture and marketing of the firm's line of automobile finishes, formulae and inventory. All bids must be addressed to the company, sealed, c/o Office of Alien Property, Department of Justice, 120 Broadway, New York 5, by 11 a.m. (EDST) on June 12.

Continental Can Reports 5 Management Promotions

The board of directors of Continental Can Company has announced five top management promotions as a further step in the company's policy to decentralize responsibility for operations within the domestic metal container and crown cap divisions.

T. C. Fogarty, formerly vice-president in charge of sales, has been appointed executive vice-president of the metal division, reporting directly to the president. Promoted to the newly created posts of division vice-presidents are Reuben L. Perin (eastern division), formerly general sales manager; William M. Cameron (central division), formerly central division sales manager, and Sherlock McKewen (Pacific division), formerly secretary and treasurer. All will report to Mr. Fogarty. Loren R. Dodson, formerly assistant secretary and assistant treasurer, has been named secretary and treasurer.

Pennsalt Names Hurley Sales Promotion Manager

Pennsylvania Salt Manufacturing Company, Philadelphia, has appointed Paul C. Hurley, jr., manager of the concern's newly-created sales promotion department. In his new post, Mr. Hurley will be in charge of Pennsalt's advertising, research and salesman-training program.

He joined the company in 1943 as a salesman in the laundry and dry cleaning department, holding positions in that division as district sales manager and merchandising manager before becoming attached to the staff of William P. Drake, vice-president in charge of sales.

WANTED

Filter press, plate and frame cast iron, open delivery, NEW OR GOOD AS NEW CONDITION, 24 inch or 30 inch plate. Give full details, price, delivery, location, make and style of press.

Address Box 305
Oil, Paint and Drug Reporter

FOR SALE

Pebble Mills: 6x5', 5x6', 46x66", 3x4'.
Carton Gluer: Packomatic with Sealer.
Mills: 3-roll high and slow speeds.
Mixer: W.&P. 20 gal. jacketed.
Dryers: 4x40' Davenport hot air rotary.
Pony Mixers: 15 gal. and 40 gal.
Kettle: 200 gal. Dopp jacketed, agitated.
Tube Filler: Stokes 90-C, with closer.
Colloid Mill: Charlotte model 100, 3 hp.
Filter Presses: 7", 12", 24", 36" cast iron.
Pulverizers: Mikro #2TH, 24", #5 Atomizer.
Powder Mixers: 100 to 5000 lb. capacities. 20-20 Burton, Broughton 5 hp.
Labelers: Bottle and Can, auto. and semi.
Powder Fillers: Stokes & Smith, Stokes, Triangle, Gump, McMinn, Day, Hewes.
Ribbon Mixers: 30 cu. ft. jack stain. steel.
Ribbon Mixer: 80 cu. ft. stainless steel.

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J. H. Day—400 lb. mixer and sifter M.D.
Stokes Powder Filler, M.D.
Stokes Model F Tablet Press, P.D.
Robinson—20"x60" SS sifter, M.D.
Day—3 roll water cooled mills, 12x30.
Abbe #2 Blutegess sifter, M.D.
Paterson—200 gallon ball mill, M.D.
Mikro #2 Pulverizer—15 HP, A.C.
Resins Automatic Capper—38MM.

What Have You For Sale?

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1123 BROADWAY NEW YORK 10, N. Y.
CHelsea 2-2776

FOR SALE

Machinery and Equipment for the entire CHEMICAL & ALLIED INDUSTRIES

Ball Mills	Dryers, All Kinds
Centrifugals	Filter Presses
Evaporators	Mixers, All Kinds
Expellers	Paint Machinery
Kettles	Plastic Machinery
Pulverizers	Rubber Machinery
Screens	Soap Machinery
Vacuum Pans	Tablet Presses

Send for detailed listing
Our stock is constantly changing

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New York 6, N. Y. Phone: Digby 4-8364

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Chemicals, Pharmaceuticals, Botanicals, Oils, Solvents, Pigments, Colors, Waxes, Essential Oils, Aromatics, etc.

Wastes — Residues — By-Products

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Surplus Chemicals

SOLVENTS WAXES OILS
RESINS DRUGS ETC.

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- Waste Solvents
- Spoiled Batches

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32 BEAVER ST., NEW YORK 5, N. Y.
Digby 4-9760

WE BUY SURPLUS

Chemicals • Colors
Pigments • Starches • Solvents
Waxes • Glues • Drugs
Oils • Gums • Dyes
By-Products, Wastes of all kinds

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Cortlandt 7-7441, Ext. "A"

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PLASTICIZERS — RESINS — OILS — WAXES — ETC.

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Chem. Development Corp. Making Antistatic Agent

Chemical Development Corporation, Danvers, Mass., is currently marketing a new antistatic and cleaning agent developed specifically for polystyrene moldings and film. Called "Anstac PS," the new product is said to prevent scratches and the marring of polystrene through eliminating the attraction of dust and dirt.

The material, a fast drying liquid, has a high affinity for polystyrene and is said to last indefinitely under normal handling. It is water resistant, but may be removed by the application of hot water and soap. Samples and further details may be obtained upon request to the company.

N. E. Oil Chemists to Meet

Northeast Oil Chemists Society will hold a dinner meeting on June 6 at 6:30 p.m. at the Building Trades Employers Association, 2 Park avenue, New York. Guest speaker will be John E. Slaughter, jr., vice-president of the Girdler Corporation, Louisville, Ky. Mr. Slaughter's topic will be "Margarine Productions."

Oil Imports Reported

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to a resolution of Representative Clarence Cannon of Missouri for an investigation of the petroleum industry by the Federal Trade Commission. At a one-day hearing on the resolution, following which action was delayed until a later date, the committee heard the resolution endorsed by farm organization representatives and its purpose explained by Mr. Cannon.

He said that the investigation of the oil industry called for in his resolution (H. J. Res. 423) is necessary to cover four points:—Monopolization in the industry; determine whether the present interstate oil compact is being used to unduly enhance prices and therefore going beyond its original purpose; consider the question of percentage depletion allowances, and to go into the question of ownership by American corporations of foreign oil fields and the control of importation of oil into the United States.

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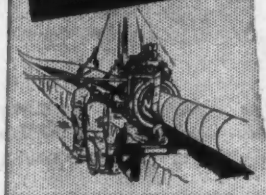

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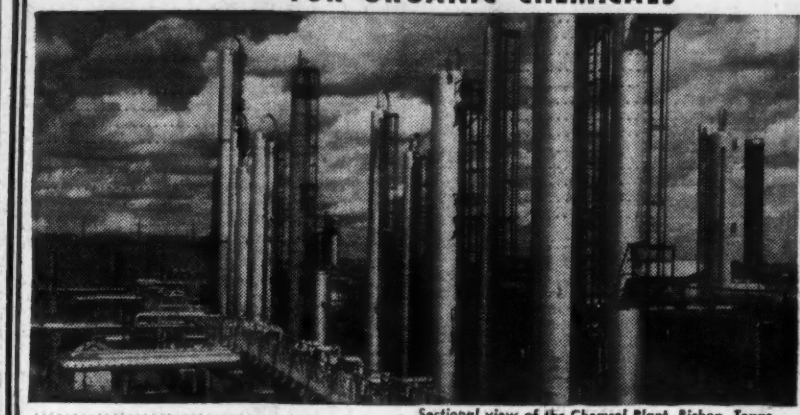

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